DKG | DEUTSCHE KAUTSCHUK-GESELLSCHAFT E.V.

TRADITION
MEETS
SCIENCE
MEETS
INDUSTRY

O.VE. ELASTOMERE KUNSTSTOFFE

Reinigen | Beschichten | Behandeln | Service

SAUBER, DICHT und REIBUNGSLOS

Wir bringen Power in Dichtungen!

Reinigen

Wir säubern Dichtungen

- Saubere Oberflächen durch Nassreinigung
- Sauber in der Tiefe durch Niederdruckplasma
- LABS Konformitäten
  - VW PV 3.10.7
  - FESTO FN 942010-2
  - DÜRR QZ 24
  - VDMA 24364-A1/B1-L

Behandeln

Wir modifizieren Oberflächen

- Mit Jod
- Mit Fluor
- Mit PTFE Pulver

Beschichten

Wir verbessern Eigenschaften

- 1K/2K/3K Gleitlacke reduzieren Reibung
- Beschichtungen auf PTFE- oder Silikonharzbasis
- Elektrisch leitfähige Lacke eliminieren Spannungen
- FDA konforme Lacke
- Maschinenbeschichtung für mehr Prozesssicherheit
- Beschichtung ab Losgröße 1
- Reinraumklasse 8 (ISO 14644)

Service

Wir machen's kundengerecht

- Verpacken
- Belabeln
- Konfektionieren
- Prüfen
- Technisch Schulen

Seit über 30 Jahren machen wir Dichtungen leistungsfähiger!

ove-plasmatec.de

Welcome to the German Rubber Society (DKG)!

Dr. H.-Martin Issel, Managing Director, UNIMATEC Chemicals Europe GmbH

Dear Ladies and Gentlemen, dear friends, members, and interested parties,

for nearly 100 years, the German Rubber Society (DKG) has brought together experts, professionals, and scientists from the rubber industry. Since 1926, the DKG has overseen, shaped, and furthered technical and scientific life in Germany. Today, it continues to provide an attractive networking platform for companies, research institutions, and anyone interested in rubber and elastomer research.

Our society's task is to facilitate the best possible exchange among our members. This includes scientific conferences organised by our four regional groups, our annual conference, thematic knowledge exchanges, as well as direct professional interactions in our working groups and network groups. We inform our members about current activities in the DKG, the research landscape, and the rubber industry. We support young people embarking on their career paths and connect them with research institutions, universities, and companies.

We promote research in a variety of ways and, every three years, organise the largest industry gathering in Europe, the German Rubber Conference (DKT).

For the German Rubber Society, its members are of paramount importance. It thrives on the diversity of the rubber industry embodied by our unique network. We are made up of over 100 companies which identify with the goals of the DKG and also support it financially. We also have nearly 1,000 personal members who are actively involved in the DKG and help to create a familial atmosphere within the Rubber Society. Many members have known each other for years or even decades, formed friendships as a result of the society's collegial and constructive environment. These are the members who collaborate on the boards of the DRK and who actively participate in the regional groups and work groups, often sacrificing their free time to do so. These are the employees who contribute their experience and knowledge to the research advisory board, the executive board council and the executive board of the DKG for the benefit of their company and in order to make it appealing to new members.

This online brochure was also created for you, to provide you with a comprehensive overview of the goals and activities of the DKG in 72 pages. In this brochure, we offer insights into our office, our work, our tasks as well as the full scope of our vibrant and diverse society.

We would like to extend our heartfelt thanks to the many member companies who have made it possible for us to present the German Rubber Society for the first time in this interactive online brochure, complete with videos and links. We also wish to thank the personal members who contributed quotes and visual material, as well as to the employees at the DKG office who initiated and implemented this brochure. This image brochure makes it clear why it's worth becoming a member of the DKG. It shows that we are a strong community and comprise an unparalleled network of experts in the national and international rubber industry and beyond.

We encourage you to share this message with your friends and colleagues. If you like, please help to promote the DKG! Together, let us continue to be a platform for scientific exchange and an innovation driver in the rubber industry!

I hope you enjoying exploring our online brochure.

Sincerely,

Dr. H.-Martin Issel,
Chairman of the Executive Board

CONTENTS

DKG office in Frankfurt am Main

Achieving more together in the world of rubber

According to its statutes, the purpose of the DKG is to promote science and research. This is achieved through:

- Disseminating scientific knowledge (relating to production, chemical, physical, technical, and ecological behaviour of rubber, elastomers, or thermoplastic elastomers)
- Presenting scientific papers at conferences, symposia, and in the media
- Promoting research through collaboration with science, technology, and industry, as well as societies in the same or related fields in Germany and abroad.
- Support of young scientists with scholarships
- Provision of funds for study trips within the country and abroad, with results applied to scientific research

Our executive board ...

... leads the society and serves in an honorary capacity. Its members are intended to represent the diverse professional composition of the DKG and thus come from research, technology, or the business of producing or processing rubber, elastomers, or thermoplastic elastomers. (see image on the right)

Chairman: Dr. H.-Martin Issel (r.), Managing Director, UNIMATEC Chemicals Europe GmbH, 1st Vice Chairman: Prof. Andreas Limper (left), Independent Consultant, formerly CEO of HF Mixing Group, 2nd Vice Chairwoman: Dr. Cristina Bergmann (middle), Business Development Director Process Oils, Ergon International, Inc.

SOCIETY BODIES

- An honorary executive board supports the executive board. Its members are equally divided between the rubber supply industry, including mechanical engineering, and the processing of rubber, elastomers, or thermoplastic elastomers. They are elected by the general assembly and can also be co-opted by the executive board. The board also includes a representative from the academic sector, up to three members for special tasks, and the former chairpersons of the society.

- The executive board appoints a full-time management. They oversee day-to-day operations, manage the society's assets, present reports to the general assembly, and prepare board and general assembly meetings.

- The general assembly elects the executive board and members of the honorary board, as well as auditors. It approves the income and expenditure account, approves the budget plans, and grants discharge to the executive board and management.

- To be active nationwide, the DKG is divided into four regional groups, each with its own leadership, organizing two conferences per year.

- The DKG has a research advisory board. Its task is to advise the executive board on all research-related matters and decisions, including the allocation of funding. It is also responsible for selecting conference contributions for the DKT.

The DKG – Industry Platform and Innovation Driver

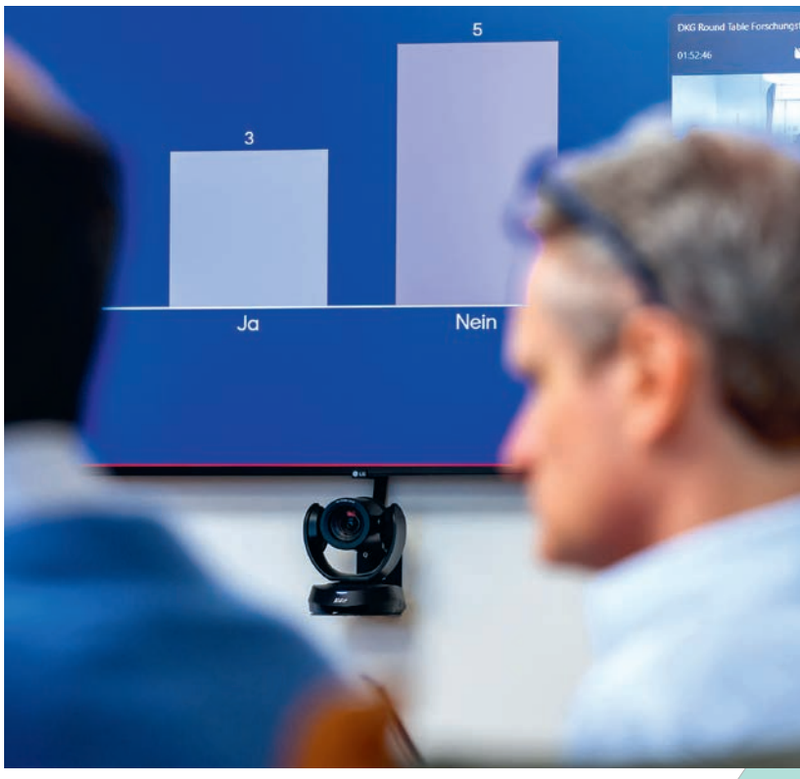
In 1926, rubber chemists and engineers in Düsseldorf founded a scientific society: the German Rubber Society.

Its goal was to promote the exchange of ideas for the benefit of the entire rubber industry. Much has changed in the nearly 100 years since its founding, nonetheless our core mission remains the same – and is more relevant than ever. Especially in times of information overload, we need a platform for direct professional and personal exchange. Experts from various sectors of the industry come together in regional groups, working groups, and events. They discuss challenges and find practical solutions.

For individuals at the beginning of their careers, the DKG organises seminars in collaboration with the German Institute of Rubber Technology.

The next generation of researchers can secure prizes for the best bachelor's and master's theses, as well as the best dissertations. We recognise outstanding achievements in science, technology, and industry with various medals.

The DKG is a central hub when it comes to research funding. As an innovation driver for the industry, we are a member of the Working Group of Industrial Research Societies "Otto von Guericke" e.V. (AiF) and can apply for funding. Numerous IGF projects have already been realised through this channel.



ORGANISATIONAL CHART
DEUTSCHE KAUTSCHUK-GESELLSCHAFT E.V.

EXECUTIVE BOARD
Chairman: Dr. H.-Martin Issel
1st vice chairman: Prof. Dr.-Ing. Andreas Limper
2nd vice chairwoman: Dr. Cristina Bergmann

EXECUTIVE COMMITTEE
23 members

RESEARCH ADVISORY BOARD
11 Members

GENERAL ASSEMBLY

REGIONAL GROUP WEST | **REGIONAL GROUP NORTH** | **REGIONAL GROUP EAST** | **REGIONAL GROUP SOUTH**

MANAGEMENT
Office in Frankfurt am Main

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- Internal release agents
- Bladder coatings
- Batch-off release agents
- Lubricants

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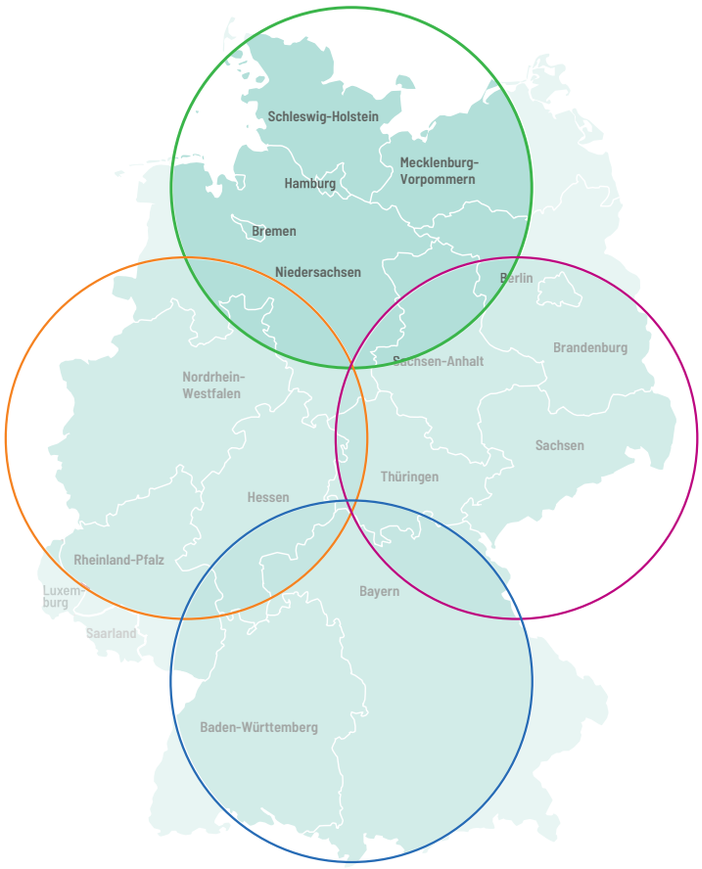
Regional Group North

Regional Groups of the DKG promote the formation of local networks. They typically meet twice a year and host regional conferences.

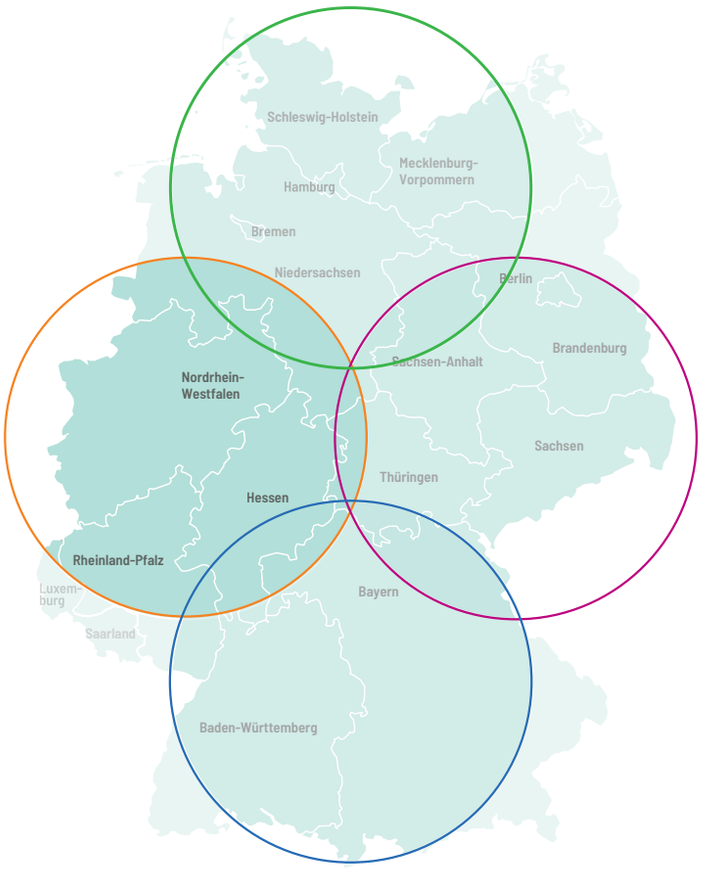


GOALS AND TASKS

The DKG-North focuses on sustainability, innovation, and partnership. We cordially invite you to share your ideas and topics relating to rubber and more in personal exchanges at our conferences.

Dr. Jens Meier, Head of Regional Group North

Regional Group West



GOALS AND TASKS

What we stand for: In rubber processing, the interaction between raw materials and processing methods is often highly complex – nonetheless, rubber is irreplaceable! Targeted university research in close collaboration between processors and end customers is therefore of paramount importance. The aim of this interactive conference is to discuss current and future challenges in the industry in order to derive and define practical rubber research.

Dr. Harald Keuter, Head Regional Group West

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- Mischungen
  Compounds
- Profile für Industrieanwendungen
  Profiles for industrial applications
- Dachabdichtungen
  Roof waterproofings
- Fassadenabdichtungen
  Façade waterproofings
- Teichabdichtungen
  Pond waterproofings
- Schuhsohlen
  Shoe soles

Für weitere Informationen erreichen Sie uns unter:
For further information contact us at:

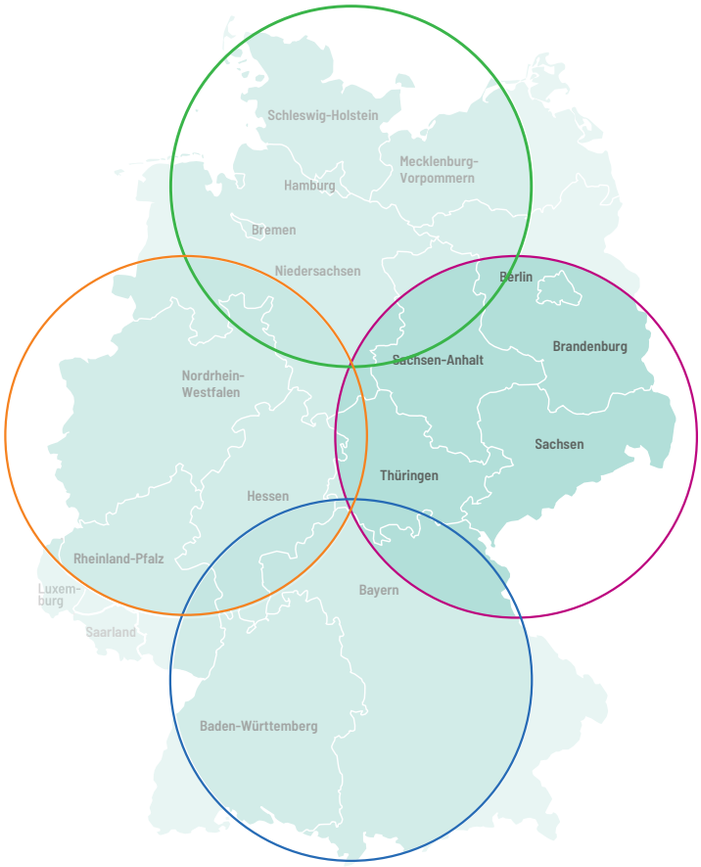
info.industries@saargummi.com

Regional Group East

GOALS AND TASKS

We are a small regional group, but through years of intensive commitment by the regional group leaders, our events have gained significant influence beyond regional borders. This is not only due to excellent technical contributions but also outstanding, incomic side events, currently featuring "Women Power" from the RG East (Head/Secretary).

Dr.-Ing. Sybill Ilisch,
Head of Regional Group East

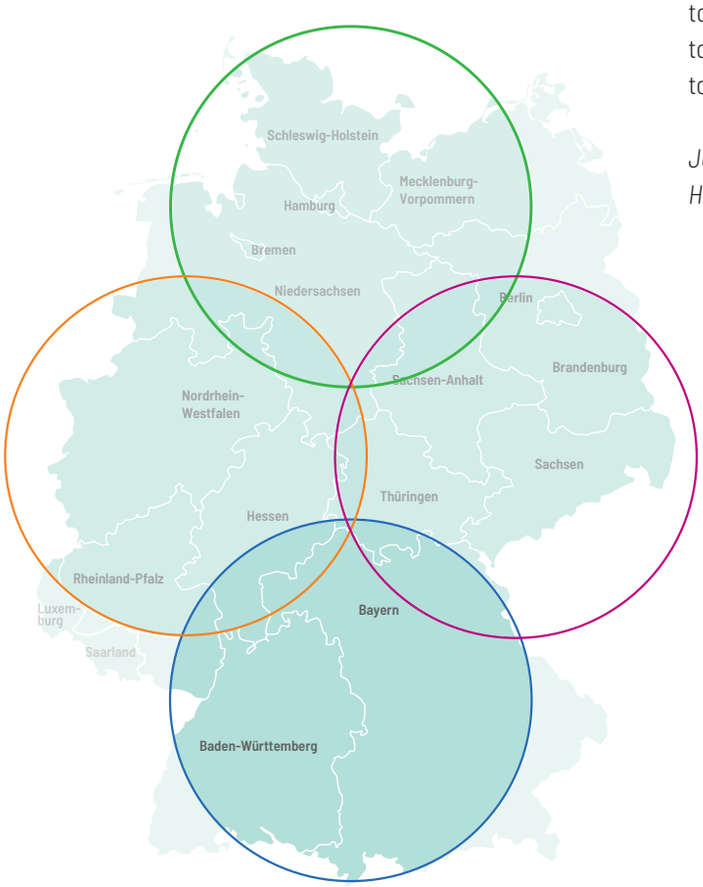


Regional Group South

GOALS AND TASKS

As the Regional Group South, we stand for an attractive and innovative rubber industry. A great asset for us is the ability to attract speakers who are currently completing their degrees at universities and bring fresh ideas to the industry. We are constantly working to expand our network and explore exciting topics.

Jörg Stumbaum,
Head of Regional Group South



Our benefit, our network

Natural rubber becomes robust, flexible, and functional through the interaction with other substances. Molecules connect, bridges are formed, and the structure is altered. This can also be applied to the actors in our industry. Experts from research, technology, and business bring their respective expertise and experience. Theory and practice come together. Different perspectives and approaches enable innovative processes.

With nearly 1,000 individual members and over 100 companies, our society is a strong platform. While almost all information is digitally available nowadays, there is no substitute for direct interaction on a professional and personal level.

Through collective reflection, discussion, and deliberation, the whole becomes greater than the sum of its parts. Inspiring others and making progress oneself is a motivation for everyday work. Being part of a strong "industry family" provides support during challenging times.

We welcome every new member! Ordinary members may be natural and legal persons, associations, and scientific institutes who are interested in research and development in the field of production, processing, and behaviour of rubber, elastomers, or thermoplastic elastomers, and who adhere to the bylaws and goals of the soiety.

Ready to take off in the world of rubber? Become a member today!

BETTER TOGETHER: FIVE GOOD REASONS TO BECOME A MEMBER

You ...
... are part of the only rubber industry network in Germany,
... can take part in all DKG events at special conditions,
... are invited to all regional group conferences, working groups, and network meetings,
... have access to the protected member area of the DKG,
... receive DKG e-news every month.

Good to know: Membership is free for students.

RESULTS FROM THE 2022 MEMBER SURVEY

- **41 %** of members joined DKG in the last 10 years.
- **Approximately 1/5** of respondents have been members for more than **25 years**.
- More than **50 %** of members were recruited by other members.
- Over **85 %** of members value the network and personal exchange the most.
- Conferences and technical presentations are important for **80 %** of members.
- **94 %** of all members regularly read the **e-news**.
- The **German Rubber Conference (DKT)** is by far the most important event for members
- For over **47 %** of the members, expanding professional exchange formats is of highest priority, followed by public relations (nearly 42%).

Scientific exchange

Our working groups are specialised forums for the exchange between science and industry. Cross-cutting topics of the rubber industry are discussed by a broad group of experts. By jointly working on projects, we enhance the quality and relevance of academic research projects.

Working groups/networks of DKG are the place for intensive professional exchange among our members on specific topics. Experts and interested individuals come together to discuss topics such as mixing technology, rubber rheology, women's advancement, or universities/young talents to exchange ideas, share experiences, and develop solutions together for the rubber industry. DKG supports this exchange through its network, providing meeting venues, by organising sessions, and, if necessary, providing technical input, presenting study results, or inviting external speakers.

"Our working groups and networks provide real added value for our members, as they can exchange ideas and work together intensively with like-minded individuals to solve problems and find solutions."

Prof. Andreas Limper (executive board member)

RUBBER RHEOLOGY WORKING GROUP

Rubber rheology experts from industry and science connect in this working group.

The working group aims to promote science and research in the field of rheology of rubbers and their compounds, particularly

- the collaborative development of material and processing understanding for optimised component properties,
- the collaborative evaluation, development, and, if possible, optimisation of rheological testing techniques.

Topics of the Rubber Rheology Forum include

- the effects and influences of rubber synthesis and modification on flow and processing properties (synthetic rubbers and biopolymers, hybrid materials and composite materials, nanocomposites, etc.) in practical situations,
- the incorporation of polymer physics and characterisation (structure elucidation and representation of structure-property relationships) with regard to the further development of material rheology under practical conditions,

- the characterisation, modelling, and simulation of flow properties of rubber blends, simulation of the relationship between material and processing properties under both model laboratory and practical conditions.

SPEZIAL ELASTOMERE

Weltweit setzt eine Vielzahl von Industrien Hochleistungskautschuke von ZEON ein. Die erfolgreichsten Produkte entstehen in vielen Fällen durch eine enge Zusammenarbeit mit unseren Kunden. Gemeinsam haben wir den nötigen Schwung, um Innovationen voranzubringen.

WWW.ZEON.EU

ZEON

MIXING TECHNOLOGY WORKING GROUP

The Mixing Technology Working Group, as a working group within DKG, addresses current challenges in research, application, and education in the field of elastomeric materials. A key area of interest is mixing technology with the goal of facilitating and optimising the manufacturing process of elastomer components, from compounding to end-product properties.

Topics of the Mixing Technology Working Group include

- investigating the effects and influences of mixing process parameters on mixture and, if applicable, end-product properties with the aim of process optimisation,
- exploring possibilities for optimising the mixing process with a focus on energy saving to improve the carbon footprint in the manufacturing process of rubber products.

FOUNDED: UNIVERSITY/YOUNG TALENT WORKING GROUP

The German Rubber Society (DKG) supports and promotes young people who find their way into rubber research and development through studies, doctorates, or career entry. Nonetheless, both DKG and the rubber industry as a whole are unable to counteract the overall societal trend of fewer young people and professionals in the relevant fields of study and professions.

By establishing a working group, DKG aims to advance the university/young talent topic. To exchange experiences, gather ideas and best practices, network, and determine how the DKG can best support in this regard. Because only together can we succeed in attracting young people to STEM occupations and study programs and inspiring them to pursue careers in technology and the rubber industry!

Women in the rubber industry

DKG aims to further improve the visibility of women in the rubber industry and has therefore established a Women's Network.

The DKG Women's Network is a working group within the Deutsche Kautschuk-Gesellschaft e. V. (DKG). It brings together natural scientists, technicians, and engineers from various fields in universities, research institutes, and industry, combining their expertise.

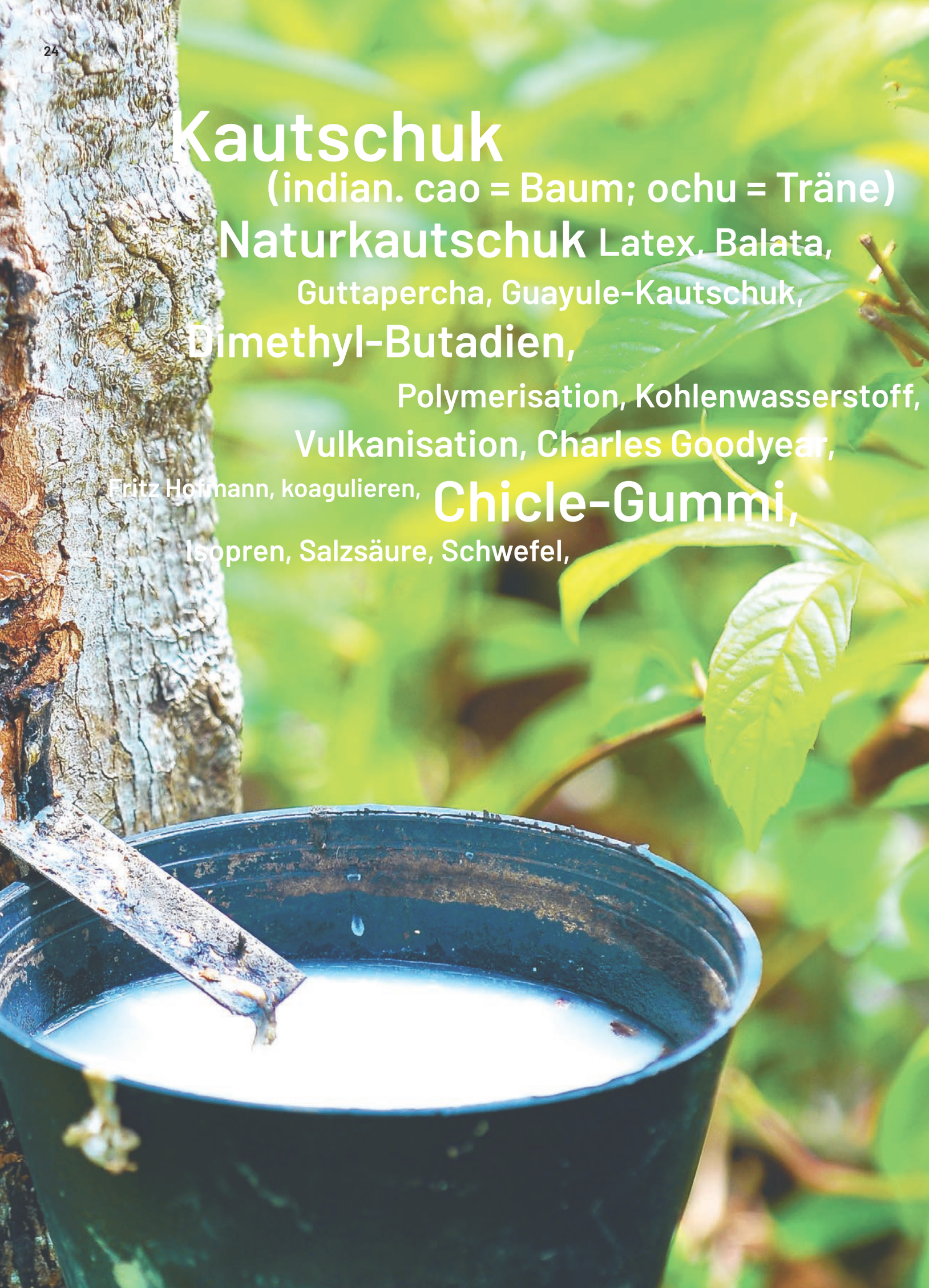
Through intensive, collegial exchange internally and externally, the DKG Women's Network addresses the current challenges specifically for women in research, application, and education in the rubber industry. One key focus is on networking and empowering women in the rubber industry, as well as specifically targeting and engaging female talents.

The DKG Women's Network aims to promote women in science, research, and the rubber industry, particularly

- the networking of women in the rubber industry to increase their visibility,
- the promotion of scientific exchange on topics related to the rubber industry between women from industry and academia,
- the collaborative discussion and evaluation of studies, scientific findings, and good practice examples from other industries,
- the collaborative development of positions, recommendations for action, and own good practices for the targeted promotion of women in research and science,.
- the dissemination of the obtained results.

"We want to make women more visible in our industry and have now created a starting point with the DKG Women's Network, where they can network and exchange ideas. At the same time, as a working group within DKG, we want to scientifically investigate women's advancement and review best practices. This way, we can develop action options on how to attract more women to the rubber industry. After all, they are a key resource in times of skilled labour shortages!"

Dr. Cristina Bergmann (executive board member)



Kautschuk

(indian. cao = Baum; ochu = Träne)

Naturkautschuk Latex, Balata,

Guttapercha, Guayule-Kautschuk,

Dimethyl-Butadien,

Polymerisation, Kohlenwasserstoff,

Vulkanisation, Charles Goodyear,

Fritz Hofmann, koagulieren, **Chicle-Gummi,**

Isopren, Salzsäure, Schwefel,

We share knowledge

Our seminar series in collaboration with the Deutsches Institut für Kautschuktechnologie e. V. is designed for beginners and professionals in the research, production, and development fields.

The seminars take place once a year and consist of theoretical and practical parts.

- **Herstellung von Kautschukmischungen**
  (German version)/Mixing of Rubber Compounds
  (English version)
  - Duration: 2 days
- **Extrusion – Basics and Practice**
  - Duration: 2 days
- **Injection Moulding of Elastomers I** – Basics
  - Duration: 3 days
- **Injection Moulding of Elastomers II** – Advanced
  - Duration: 2 days
  - Prerequisite: good basic knowledge in injection moulding, e.g., from the seminar "Injection Moulding of Elastomers I - Basics"
- **Injection Moulding Week I+II**
  - Duration: 5 days

The German Institute for Rubber Technology e. V. (DIK) promotes applied research, particularly on the chemical and physical behaviour of rubber. It is a non-university publicly funded institution under the auspices of the Lower Saxony Ministry of Economic Affairs, Labour, Transport, and Digitalisation.

Here you can find the DIK's offerings.

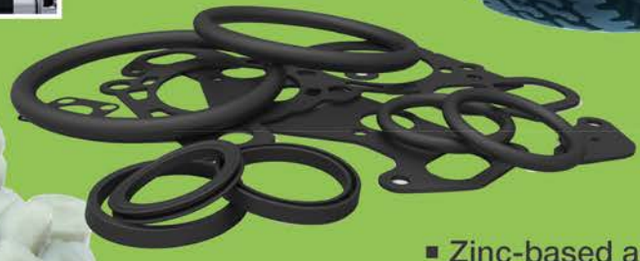
We know achievement when we see it

With the DKG award, DKG honours students for outstanding bachelor's and master's theses, as well as voluntary commitment during their studies. The award is given based on the recommendation of the supervisor of the scientific paper. The award ceremony takes place at a public event where the awarded paper is presented to a wide audience from the scientific and industrial communities.

The Dissertation Award is awarded annually for an excellent dissertation on a rubber or elastomer topic. The DKG Research Council selects the paper to be awarded. The recipient receives the award at the next annual DKG conference, where they present their paper in a lecture.

Brüggemann

Customized Additives **for the Rubber Industry**



- Zinc-based activators for tires and technical rubber goods
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Because scientific knowledge is becoming increasingly important.

We see ourselves as innovation drivers for the industry and a platform for expert exchange.

Research funding brings both together. As a member of the Arbeitsgemeinschaft industrieller Forschungsvereinigungen „Otto von Guericke" e. V., DKG serves as the link for applying for federal funding.

Institutes, universities, and the development departments of companies can submit project funding proposals. The Research Council advises in this regard and forwards the selected proposals to the AiF. This is an attractive opportunity for research institutions seeking to establish their profile. They not only receive financial support but can also make their research projects known throughout the AiF network.

The focus of DKG's research funding lies in the areas of application, material development, sustainability, testing and characterisation, simulation and modelling, as well as processing of rubber and other elastomers.

COLLABORATIVE RESEARCH

Regular kick-off events are held on specific topics, in which all DKG member companies can participate. Ideally, this leads to jointly funded research projects. The results are only available to the participating partners, but the increase in knowledge benefits the entire industry.

FUNDING SCHOLARSHIPS

Selected research work with general relevance to the rubber industry can be supported through a two-year scholarship.

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SOLUTIONS

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struktol®

SCHILL+SEILACHER "STRUKTOL" PRODUCTS ARE TAILORED TO MEET YOUR PROCESSING NEEDS FOUND ALONG THE ENTIRE SPECTRUM OF RUBBER MANUFACTURING.

STRUKTOL
INSIDE

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Willkommen im Mineralsystem.

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PURISS

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SILFIT

AKTIFIT

Das neue Füllen.

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Wir geben Stoff für gute Ideen

HOFFMANN MINERAL®

WIR GEBEN STOFF FÜR GUTE IDEEN.

FUNKTIONELLE FÜLLSTOFFE

MASCHINEN- UND GERÄTEBAU

- Elastomer-Metall-Verbunde
- Förderbandzwischendecken
- Hydraulik- und Benzinschläuche
- Membrane für Ausdehnungsgefässe
- Walzenbeschichtungen und Drucktücher
- Waschmaschinendichtungen und -schläuche

BAUINDUSTRIE

- Bauprofile
- Bodenbeläge
- Dachbahnen
- Dichtungsbänder
- Dichtungsprofile für Strassen- und Tunnelbau
- Korrosionsschutzauskleidungen
- Solarkollektorschläuche für Swimmingpools

KABEL- UND ELEKTROINDUSTRIE

- Kabelmäntel, Kabelisolierungen
- Kondensatordichtungen

AUTOMOBILBEREICH

- Dichtprofile, massiv
- EPDM Profile, zellig
- Formdichtungen, O-Ringe und Radialwellendichtungen
- Glasdirektumspritzung feststehender Seitenfenster
- Harnstoffbeständige EPDM Dichtungen und Schläuche
- Kühlerschläuche
- Luftansaugschläuche EPDM
- Turbo-Ladeluftschläuche
- Zahnriemen

WEITERE ANWENDUNGEN

- FKM Compounds
- Pharmazeutische Verschlüsse
- Schuhkomponenten
- Silikonkautschuk-Compounds
- Trinkwasserdichtungen, peroxidvernetzt
- Vollgummireifen, Rollen und Ringe
- Lebensmittelbedarfsgegenstände

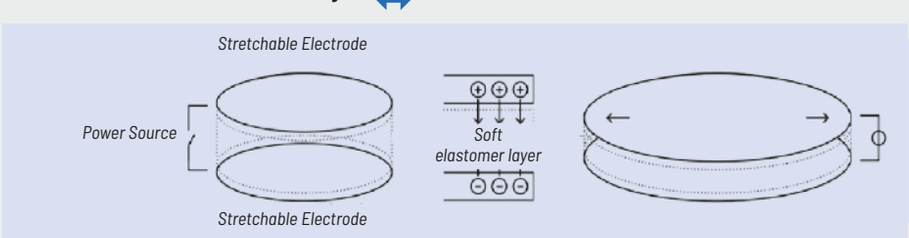
Researching together for the future of the industry

The rubber industry continues to drive innovation and research forward. For example, companies actively research the production of system-critical elastomer components in the health sector. The sensors are used for EEG or ECG measurements, both in laboratory devices and wearables (e.g., smartwatches). Also, use in the metaverse is imminent. Soft Dry Electrodes for biosignal recording consist of coated rubber. They are designed as standard for areas with and without hair. Rubber research still continues to gain momentum in numerous other areas: Scientists researching the production of car and bicycle tires from dandelion rubber were nominated for the German Future Prize. Cyclists can already buy the first tires today.

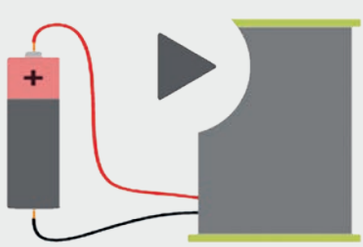
ELECTROACTIVE POLYMERS (EAPS)

OPERATING PRINCIPLE

Electricity ⇔ **Mechanical movement**



Charging I Charge



ADVANTAGES

- Low energy consumption
- Control and sensing in one
- Lightweight construction
- Silent operation
- Proportional and continuous positioning
- Extensive portfolio @ Dätwyler (SOP 2024)

APPLICATIONS

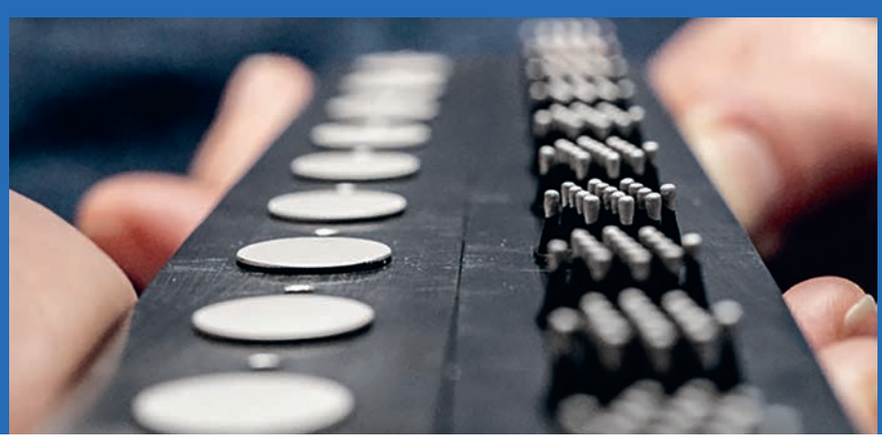
- Actuators
  - Valves
  - Locks
  - Pumps
  - Dosing systems
  - Precise positioning
- Sensors
- Haptic user interfaces
  - Morphing buttons
  - HMI

More information on the German Future Prize

Key Building Blocks: Research & innovation

Knowledge creates perspectives for the industry.

Since 2013, we have been supporting research projects at selected universities of applied sciences with a lump-sum grant currently in the amount of €13,500 per year. A list of universities and research institutes that are engaged in rubber research can be found in this brochure on page 40/41 as well as on our website.



INNOVATION MEETS

Vision
Solution
Performance

KNOWLEDGE

Education
Production
Development

SCIENCE MEETS

Method
Analysis
Concept

- Efficiency of ozone protectants in rubber matrices – Regulation of p-phenylenediamines
- Effective characterisation and modelling of elastomer materials for FE applications
- Reliable rheological parameters for elastomer mould filling simulation
- Characterisation and modelling of crosslinking in technical rubber materials

ALPHA-TECHNOLOGIES entwickelte das erste RPA. Und ist nach wie vor die Nummer eins im Markt.

Vor 30 Jahren entwickelten unsere Rheologen und Ingenieure den ersten Rubber Process Analyzer. Damit können Kautschukmischungen vor, während und nach dem Aushärteprozess in einem einzigen Test analysiert werden. Der Rest ist Geschichte.

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Gerne stellen wir dies unter Beweis! Schicken Sie uns eine Probe und wir führen Untersuchungen Ihres Materials auf unserem Premier RPA (oder alternativ unserem Premier ESR für Verbundwerkstoffe) durch und erläutern die Ergebnisse. Um einen Test zu vereinbaren, oder mit unseren Rheologen und Ingenieuren zu sprechen, scannen Sie bitte den angehängten QR-Code oder besuchen Sie alpha-technologies.com/request-a-quote.

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Research Institutions

The German Rubber Society (DKG) combines and consolidates research expertise in the field of rubber technology.

Numerous research institutions, together with the DKG, form a large network that brings together basic research, scientific further education, and application-oriented research, making it an innovation driver in the rubber industry.

Bayreuth Institute for Macromolecular Research, University of Bayreuth,
Prof. Dr.-Ing. V. Altstädt, www.bimf.uni-bayreuth.de/de/index.html

Deutsches Institut für Kautschuktechnologie e. V., Hanover, Prof. Dr. U. Giese
www.dikautschuk.de

Faculty of Applied Chemistry, Reutlingen University, Prof. Dr.-Ing. R. Hornig
www.ac.reutlingen-university.de/de/fakultaet/professoren/honorarprofessoren/#roy-hornig

Faculty of Engineering and Computer Science, Osnabrück University of Applied Sciences, Prof. Dr.-Ing., Prof. Dr.-Ing. N. Vennemann, www.hs-osnabrueck.de/de/iui

Research Institute for Leather and Plastic Sheets /(FILK), Freiberg, Prof. Dr. rer. nat. M. Stoll
www.filkfreiberg.de

Fraunhofer Institute for Structural Durability and System Reliability LBF, Darmstadt,
Dr. R. Pfaendner, www.lbf.fraunhofer.de

Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Bremen, Prof. Dr. B. Mayer, www.ifam.fraunhofer.de/de/Institutsprofil/Standorte/Bremen/Klebtechnik_Oberflaechen.html

Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Bremen,
Dr. D. Paulkowski, www.ifam.fraunhofer.de/tribologie

Fraunhofer Institute for Microstructure of Materials and Systems IMWS, Halle
Prof. Dr. M. Beiner, www.imws.fraunhofer.de

Freiburg Materials Research Centre, Prof. Dr. R. Mülhaupt, www.fmf.uni-freiburg.de

Institute of Applied Polymer Chemistry (IAP), Aachen University of Applied Sciences,
Prof. Dr. rer. nat. T. Mang, www.fh-aachen.de/forschung/institut-fuer-angewandte-polymerchemie-iap

Institute of Plastics Processing, RWTH Aachen, Prof. Dr.-Ing. C. Hopmann
www.ikv-aachen.de

Institute of Macromolecular Chemistry, University of Freiburg, Prof. Dr. R. Mülhaupt,
http://portal.uni-freiburg.de/muelhaupt

Institute of Machine Elements, Design and Manufacturing, TU Bergakademie Freiberg, Prof. Dr.-Ing. M. Kröger, https://tu-freiberg.de/fakult4/imkf/mitarbeiter/prof-dr-ing-matthias-kroeger

Institute of Mechanics, Junior Professorship for Numerical Material Modelling, Otto-von-Guericke University Magdeburg, Jun.-Prof. Dr.-Ing. D. Juhre, www.ifme.ovgu.de

Institute of Physics, Martin Luther University Halle-Wittenberg, Prof. Dr. K. Saalwächter, www.natfak2.uni-halle.de/forschung/polymers/physics/saalwaechter_v2

Institute for Polymer Chemistry, Stuttgart University, Prof. Dr. M. R. Buchmeiser, www.uni-stuttgart.de/ipoc

Institute of Technical Chemistry and Macromolecular Chemistry, RWTH Aachen, Prof. Dr. B. Blümich, www.mc.rwth-aachen.de

Institute of Technical Chemistry and Polymer Chemistry, KIT Karlsruhe, Prof. Dr. M. Wilhelm, www.itcp.kit.edu

Institute of Technical and Macromolecular Chemistry, University of Hamburg, www.chemie.uni-hamburg.de

Kunststofftechnik Paderborn (KTP), University of Paderborn, Prof. Dr.-Ing. V. Schöppner, http://ktp.uni-paderborn.de

Chair of Elastomers and Elastomer Technology, University of Twente, Enschede, Prof. Dr. A. Blume, www.utwente.nl/ctw/ete/people/academic-staff/Blume

Leibniz-Institut für Polymerforschung Dresden e. V., Institute of Polymer Materials, Elastomers Department, Dr.-Ing. S. Wießner, www.ipfdd.de/de/organisation/abteilungen-und-gruppen/institut-polymerwerkstoffe/elastomere

Polymer Service GmbH Merseburg, PD Dr.-Ing. K. Reincke www.psm-merseburg.de

Chair of Solid Mechanics, Chemnitz University of Technology, Prof. Dr.-Ing. J. Ihlemann, www.tu-chemnitz.de/mb/FestKoerpMech

Chair of Plastics, Chemnitz University of Technology Prof. Dr.-Ing. M. Gehde, www.tu-chemnitz.de/mbv/KunstStTechn

Study Program in Plastics and Elastomer Technology, Würzburg-Schweinfurt University, Prof. Dr. J. Leiber, Prof. Dr. V. Herrmann, Prof. Dr. F. Lotz, http://bke.thws.de

Technical University of Dresden, Institute of Textile Machinery and High Performance Material Technology, Senior Professor Prof. Dr. G. Heinrich, https://tu-dresden.de/ing/maschinenwesen/itm/das-institut/kontakt/ansprechpartner-am-itm (detailed information available at: https://www.ipfdd.de/en/people/personal-homepages/prof-dr-gert-heinrich)

Theoretical Chemical Physics, Bergische University Wuppertal, Prof. Dr. R. Hentschke, https://constanze.materials.uni-wuppertal.de

UNIpace - Polymer Application Centre at the University of Kassel, Dipl.-Ing. R.-U. Giesen, http://unipace.de

Massenproduktion von Präzisionsbauteilen aus LSR so effizient wie noch nie

Auf der K 2022 präsentierte ENGEL die Herstellung von Schirmventilen aus Flüssigsilikon (LSR). Die vollautomatisierte High-End-Produktionszelle kombiniert höchsten Output mit maximaler Qualitätskonstanz.

Ob im Automobil, in medizintechnischen Produkten oder Verpackungen – Schirmventile finden in einem sehr breiten Spektrum Einsatz. Was alle Anwendungen eint, sind die sehr hohen Anforderungen an die Prozesskonstanz in der Spritzgießproduktion. Die demonstrierte Produktionszelle schöpft das Qualitäts- und Effizienzpotenzial optimal aus. Sie kombiniert eine e-victory Spritzgießmaschine und digitale Assistenz mit der innovativen Werkzeug- und Dosiertechnik von NEXUS.

Mit holmloser servohydraulischer Schließ- und elektrischer Spritzeinheit ist die ENGEL e-victory prädestiniert für Präzisionsanwendungen mir LSR. Intelligente Assistenzsysteme leisten zusätzlich einen Beitrag für die konstante Qualität. Produziert wurde in einem 64-fach-Werkzeug vollständig automatisiert mit einem ENGEL easix Knickarmroboter und einem integrierten Vision-Control-System für die 100-Prozent-Qualitätskontrolle.

ENGEL hievt die Massenproduktion von Schirmventilen aus LSR auf ein neues Effizienzniveau.

„Null Fehler“ lautet die Anforderung an den Spritzgießprozess für Schirmventile aus LSR.

ENGEL
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www.engelglobal.com

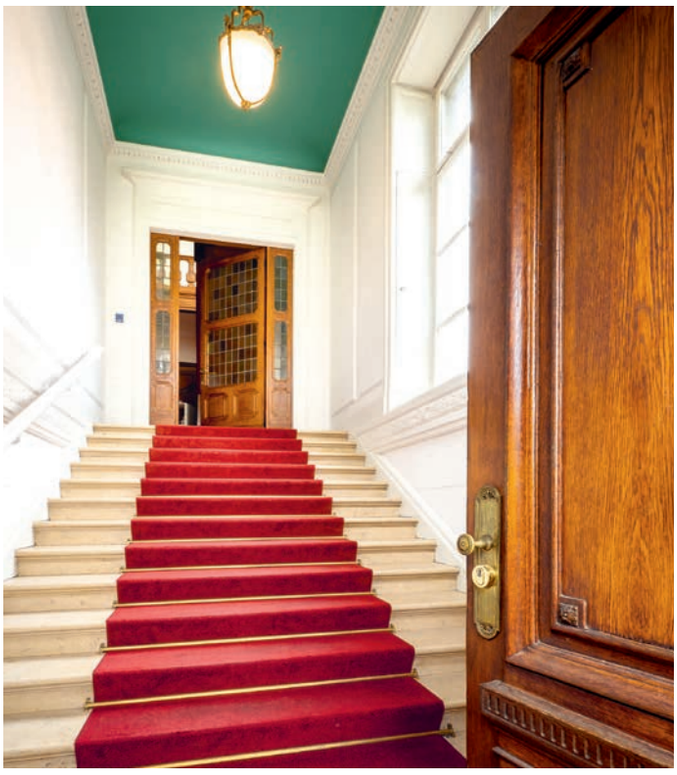
Video:

Genauere Infos:

Our goals

The DKG is registered as a non-profit organisation with its head office in the Haus der Kautschukindustrie (House of the Rubber Industry) in Frankfurt am Main.

- The DKG's goal is to promote and disseminate scientific knowledge about rubber. It provides a broad platform for experts, scientists, as well as industry professionals and executives in the rubber industry.
- The DKG's task is to bring its members together and network them as best as possible to generate and promote scientific knowledge. In accordance with its non-profit status, it also has the task of disseminating and publishing that knowledge to the public. This includes the opportunity for free participation in regional conferences, a publicly accessible rubber library, and the publication of current news, scientific findings, and information on rubber.
- As a result, the DKG lives up to its claim of being a scientific professional society and an innovation driver in the rubber industry.



Silikon, Macintosh, Wellington Boots,
Polybutadien-Kautschuk (BR), Nitrilkautschuk (NBR)
Dischwefeldichlorid, Styrol-Butadien-Kautschuk (SBR)
Chloropren-Kautschuk (CR)
Ethylen-Propylen-Dien-Kautschuk (EPDM)
viskoelastisch, elastisch,
Calciumsilicat, Kieselsäure Porengummi
Ruß, Kaolin

The Rubber Library

A wealth of expertise.

The Haus der Kautschukindustrie, where the DKG has its head office, is a meeting place for the rubber industry as a conference and event venue. It also houses a publicly accessible reference library with a collection of textbooks, trade journals, fiction, and films on elastomer topics.

Would you like to donate books or exhibit items to the DKG? Then feel free to contact us: info@dkg-rubber.de

The books are mostly donations from members and thus comprise a considerable antiquarian volume that is not available through normal bookstores. Moreover, we archive review copies and acquisitions of new publications in the technical literature.

Information and Communication

We are in dialogue.

- **through our eNews:** DKG members receive a monthly newsletter (eNews) with reports on DKG activities and conferences, calls for research projects, and a preview of upcoming events.
- **through our LinkedIn page:** The DKG is also active on the LinkedIn social media platform, providing updates on current topics from the DKG and the rubber industry. The LinkedIn presence serves to promote networking among professionals as well as
- **public relations in a professional context.** At irregular intervals, the DKG publishes press releases via the Science Information Service to communicate important topics to the general public. Through regular discussions with other societies and organisations,
- **the DKG coordinates and ensures visibility of DKG topics.** Whether this concerns regional conferences, annual conferences, or working group meetings: The DKG brings members together for personal and scientific exchange and provides information and communication on current research topics
- **through company visits and member surveys:** The DKG is a professional society that aims to maintain close ties to its members. Through regular visits to member companies and surveys, we remain in constant dialogue.

Visit our LinkedIn page

DKT – Nuremberg welcomes the rubber world

The scientific conference and trade fair for the rubber industry takes place every three years in Nuremberg.

The event is hosted by the German Rubber Society (DKG), whose research advisory board is also responsible for the lecture program. The Nuremberg Convention Centre (NCC) brings together the who's who of scientists and industry executives. They present the latest developments in rubber technology, from raw materials to processing and testing to application.

Several hundred companies from the rubber and elastomer industry from around the world present their products and innovations to thousands of visitors. Renowned research groups and institutes are represented on the Science Campus.

An extensive supporting program, including the Rubber Hall of Fame awards, completes the four-day international industry meeting.

SAVE THE DATE:

2024 German Rubber Conference,
1-4 July, 2024, Nuremberg Exhibition Centre

DKT 2024
GERMAN RUBBER CONFERENCE
1-4 JULY, NUREMBERG, Germany

Visit the
DKT website


PIRELLI
YEARS

Review – this was the DKT IRC 2021

The German Rubber Society (DKG) is a member of the International Rubber Conference Organisation (IRCO). This alliance of rubber societies around the world plans the annual international industry conference, which takes place in a different country each year.

It would have been held in Germany in 2021. Due to the pandemic, the combined DKT IRC event had to be postponed – which resulted in even greater anticipation from June 27 to 30 at the Nuremberg Exhibition Centre. More than 4,300 guests from 51 nations were in attendance. Experts from science, industry, suppliers, universities, and trade magazines took the opportunity to engage in dialogue with the global rubber and elastomer network.

Three days were dedicated to different thematic focuses - tires, sustainability, and future mobility. The TPE Forum also took place on the first two conference days, focusing on thermoplastic elastomers. As part of the Educational Symposium on the third and fourth conference days, experts provided an introduction to rubber technology.

Over 250 companies from around the world presented finished products, raw and auxiliary materials, machinery, testing and analytical equipment, as well as industry software. 133 presentations and 36 posters covered all topics of the rubber industry.

The DKT once again fulfilled its mission to provide a platform for personal exchange. Demand for exhibition space and tickets reached record levels. "After two years of the pandemic, in addition to professional exchange, reviving networks through personal encounters was also a priority," summarises Dr. H.-Martin Issel, Chairman of the DKG.


DKG


NCC Mitte
München
NCC Mitte
NCC West


DKT IRC 2021
Herzlich Willkommen
Welcome
Mitte
Eingang
Entrance
Herzlich Willkommen
Welcome
Herzlich Willkommen
Welcome

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proCMES Das Manufactoring Execution System zur Optimierung, Vereinfachung und Standardisierung von Fertigungsprozessen

proCretrofit Frischer Wind für alte Maschinen. Vielfach sind Maschinen und Anlagen in einem guten Zustand, die steuerungstechnische Ausrüstung jedoch veraltet und verschlissen.

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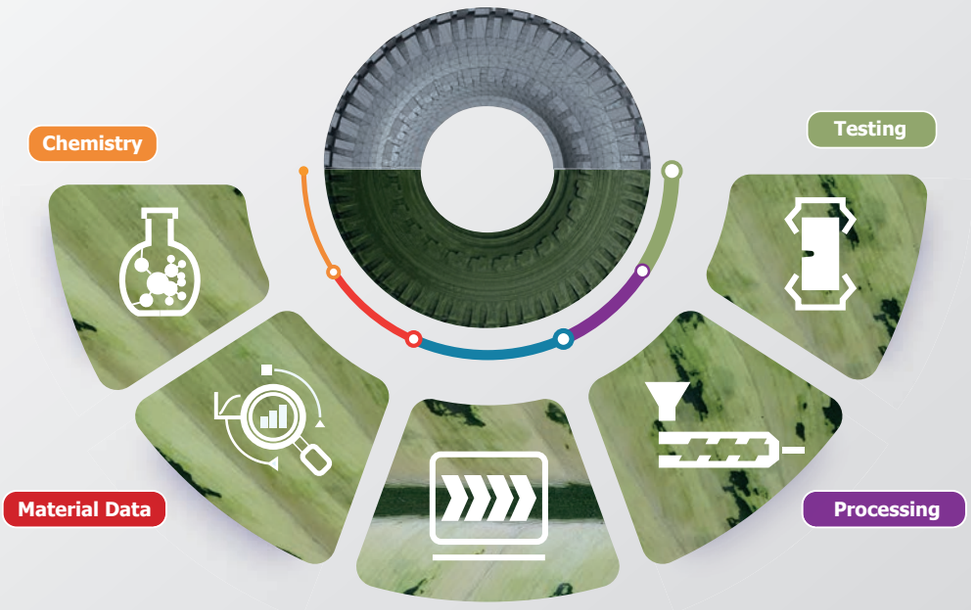
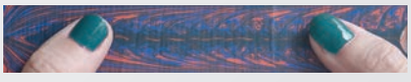
Your Research Partner in Green Elastomer Technologies





The RingExtruder RE

Continuous mixing of rubber with the RingExtruder:

- Self cleaning process
- Optimized cooling
- Optimized degassing
- Optimized dispersive mixing
- Minimized energy input

Working with the RingExtruder means:
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#Well positioned

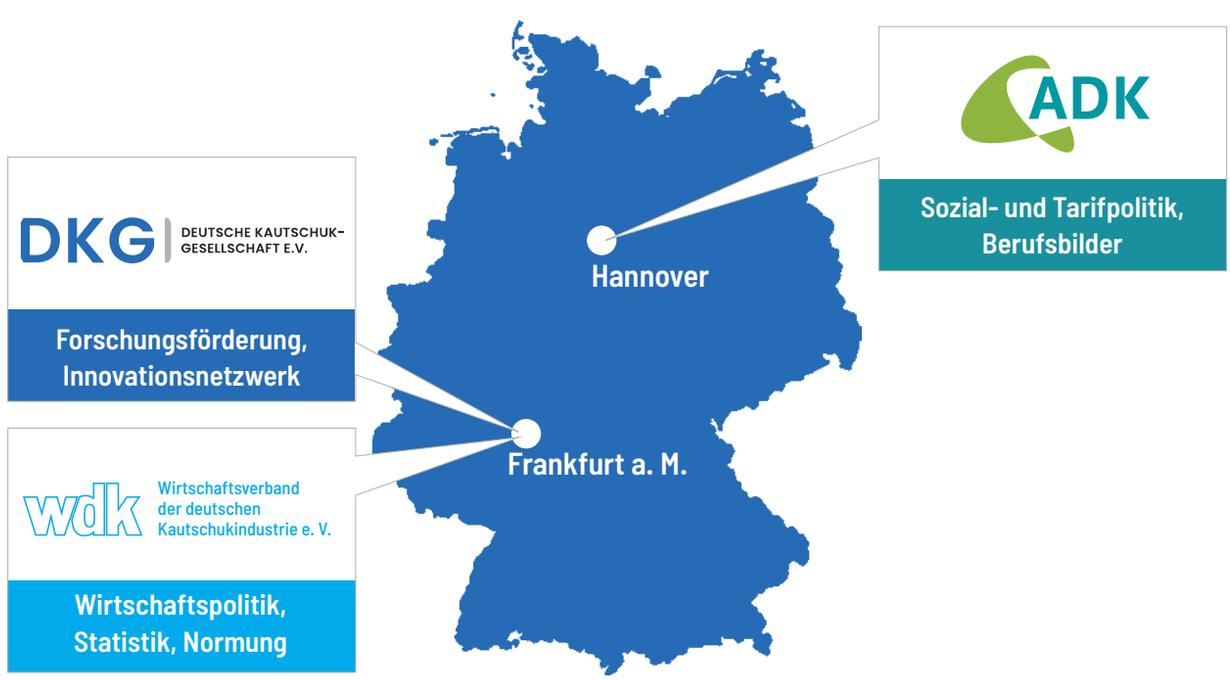
Since 1926, the year of the DKG's founding, rubber research in all disciplines (chemistry, physics, analytics, and process engineering) has made rapid progress. Thus, a strong network has been an essential accelerator for the implementation of new scientific findings into practical applications from the very beginning. By integrating members from research and development, the raw material industry, as well as processors and customers, the German rubber industry has been able to develop very successfully beyond automotive applications.

To this day, collaboration with all stakeholders not only strengthens the rubber industry itself but also our position in the business world, politics, and society.

The DKG works closely with the Wirtschaftsverband der deutschen Kautschukindustrie (German Rubber Manufacturers' society/ wdk), which is also based in the Haus der Kautschukindustrie in Frankfurt. It represents around 200 companies with approximately 70,000 employees and a total annual turnover of 10 billion euros. Its main task is to support member companies in expanding their international competitiveness and technological leadership.

The Arbeitgeberverband der Deutschen Kautschukindustrie (Employers' society of the German Rubber Industry/ADK) coordinates the common interests of around 100 companies with around 25,000 employees. It takes a position on current industry topics and engages in proactive dialogue with trade unions, politics, and the public.

Internationally, the DKG cooperates with rubber societies in other countries, such as France, the Netherlands, and Japan. We are also a member of the IRCO (International Rubber Conference Organisation), which coordinates the annual international rubber conferences.



The Haus der Kautschukindustrie

A place for exchange in Frankfurt am Main – House of the Rubber Industry

MATERIALPRÜFUNG BEI FREUDENBERG

UNSER SERVICE FÜR UNSERE KUNDEN

So vielfältig wie Materialien selbst sind auch die Anforderungen an die Werkstoffe. Das zertifizierte, akkreditierte Prüflabor der Freudenberg Technology Innovation bietet mit mehr als 200 Prüfungen aus den Bereichen physikalische, optische und chemisch-analytische Prüfungen immer die passende Möglichkeit relevante Eigenschaften zu bewerten.

KONTAKT

Herr Dr. Gerald Jarre
Telefon 06201-804645
Gerald.Jarre@freudenberg.com

CHEMISCH-ANALYTISCHE PRÜFUNGEN

Folgende Prüfungen werden durchgeführt:

- Infrarotspektroskopie (FTIR)
- Gaschromatographie-Massenspektrometrie (GC-MS)
- Gel-Permation-Chromatographie (GPC)
- High-Performance-Flüssigchromatographie (HPLC-MS)
- Ionen-Chromatographie (IC)
- UV/VIS-Spektroskopie, RAMAN-Spektroskopie
- Nuclear-Magnetic-Resonance-Spektroskopie (NMR)
- Elementaranalyse (ICP-OES)
- u. v. m.

OPTISCHE PRÜFUNGEN

Folgende Prüfungen werden durchgeführt:

- Licht-Mikroskopie (LIM)
- Weisslicht-Interferometrie (WLI)
- Raster-Kraft-Mikroskopie (AFM)
- Raster-Elektronen-Mikroskopie (REM/EDX)
- Computer-Tomographie (CT)
- Optische Bildanalyse
- 3D-Profilometrie
- Partikelgrößenverteilung
- Mikrohärtenbestimmung
- Oberflächenenergie
- Probenpräparation
- Schlifferstellung und Gefügeanalysen
- u. v. m.

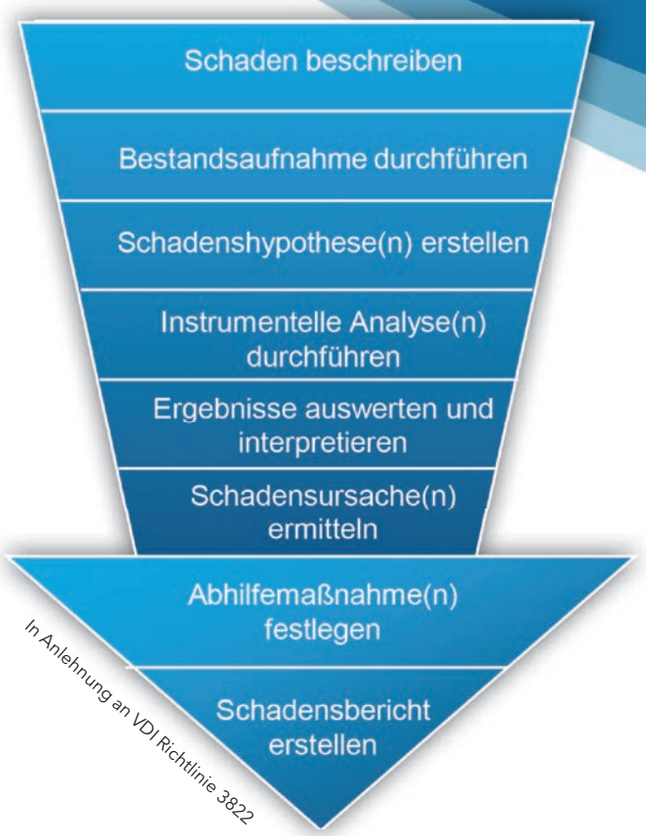
PHYSIKALISCHE PRÜFUNGEN

Folgende Prüfungen werden durchgeführt:

- Zug-, Druck-, Biegeprüfung inkl. Sonderprüfungen
- Weiterreißbeständigkeit (Statisch/Dynamisch)
- Härtemessung
- Lokalmechanische Eigenschaften (LNP)
- Spannungsrelaxation (Zug/Druck)
- Druckverformungsrest (DVR)
- Dynamisch-mechanische Prüfungen (DMA/DMTA)
- Thermische Analysen (DSC/TGA)
- Klima- und Medienbeständigkeit
- Tribologische/Rheologische Prüfungen
- u. v. m.

SCHADENSANALYSE UND SCHADENSPRÄVENTION

Bauteilschaden? Wir helfen Ihnen!



Eine systematische Schadensanalyse ist die Grundvoraussetzung, um Schadensursachen schnell und erfolgreich zu ermitteln. Das dabei gewonnene Verständnis über Schadensmechanismen, Schadensursachen und Abhilfemaßnahmen sollte dafür verwendet werden, eine erfolgreiche Werkstoffentwicklung durchzuführen und Schäden an Bauteilen präventiv zu vermeiden.

KONTAKT

Herr Dr. Kurt Marchetti
Telefon 06201-805028
Kurt.Marchetti@freudenberg.com

Unsere Experten helfen Ihnen gerne bei Schäden an:

Elastomerbauteilen

thermoplastischen Bauteilen

Bindungen/ Klebungen

metallischen Bauteilen

FREUDENBERG
INNOVATING TOGETHER

Rubber Hall of Fame

We want to honour and showcase exceptional achievements in our industry. The DKG awards three different medals to individuals who have achieved outstanding results in research, technology, and application.

CARL-DIETRICH-HARRIES MEDAL

Privy council Prof. Dr. Harries was one of the leading pioneers in the field of rubber research. The first scientific synthesis of rubber is attributed to him. His work on the effect of ozone on organic compounds clarified the constitution of natural rubber. In 1933, ten years after his death, his widow established the eponymous medal for "outstanding scientific achievements."

Kautschuk (indian.
Naturkau
Guttapercha, Guayule-Ka
Dimethyl-Butadien, Poly
Kalander, Extruder,
Handschuhe, Matratze,
Schwamm
Reifen, Mo

cao = Baum; ochu = Träne)

tschuk Latex, Balata, Chicle-Gummi,

utschuk, Vulkanisation, Charles Goodyear,

merisation, Kohlenwasserstoff, Isopren, Salzsäure, Schwefel,

Spritzpresse Fritz Hofmann, koagulieren,

Streichmaschine, Teppichrückenbeschichtung

gestrichenes Papier, Kondom, Luftballon

torlager, Dichtungsprofil

ERICH-KONRAD-MEDAL

The "Medal of Merit and achievement of a special nature in the field of rubber technology" was first awarded in 1980 at the International Rubber Conference in Nuremberg. Dr. Dr. h.c. Erich Konrad, elected in 1937, was the last chairman of the German Rubber Society (DKG) prior to World War II. In 1951, as the director of Farbenfabriken Bayer AG in Leverkusen, he successfully called for the revival of the society.

The following year, he received the Carl Dietrich Harries Medal in recognition of his comprehensive work in the field of polymerisation and application technology. In this way, he helped to elevate synthetic rubber to its current global economic status.

Visit our
Rubber-Hall-of-Fame

DKG-MEDAL OF MERIT

The DKG-Medal of Merit is awarded across disciplines for outstanding achievements in research, technology, and business.

HONORARY MEMBERSHIP

The board appoints individuals (including non-members) as honorary members of the society based on recommendations from the general meeting who have made significant contributions to the DKG.

AUFRUF

zur Gründung einer wissenschaftlichen Vereinigung der Kautschuk-Chemiker und -Ingenieure

Schon an den verschiedensten Stellen ist der Wunsch nach einem Zusammenschluß der Kautschukfachleute laut geworden. Um diesen Gedanken zu verwirklichen, rufen wir zur Gründung einer wissenschaftlichen Vereinigung der Kautschuk-Chemiker und -Ingenieure auf.

Als Zweck der Vereinigung ist vornehmlich ein Gedankenaustausch zum Nutzen der gesamten Kautschukindustrie gedacht. Eine wirtschaftliche Belastung der Mitglieder ist mit dem Beitritt nicht verbunden.

Über den Aufbau der Vereinigung und ihre Ziele im einzelnen wird die am Sonnabend den 25. September 1926, 9 Uhr vormittags in Düsseldorf in der „Gesolei" im Hirschwaldschen-Bücherhaus (Halle 65) stattfindende Gründungsversammlung beschließen, zu der wir alle unsere Herren Fachkollegen hierdurch einladen.

Dr. ADAM, Gummifabrik Westend G. m. b. H., Berlin-Siemensstadt
Dr. PAUL ALEXANDER, Charlottenburg
Dipl.-Ing. BALDEM, Felten & Guilleaume, Carlswerk, A.-G. Köln-Mülheim
Dir. Dr. BAUMANN, Peters Union A.-G., Frankfurt a. Main
Obering. BITZER, Köln. Gummifadenfabrik A.-G., Köln-Deutz
Dr. BÜNZ, Deutsche Oelfabrik Dr. Alexander, Dr. Bünz und Richard Petri, Hamburg 29
Dir. Dr. DERENBACH, Franz Clouth, Rheinische Gummiwarenfabrik A.-G., Köln-Nippes
Dr. MAX DESENISS, New York-Hamburger Gummiw.-Comp., Hamburg
Dr. DIESTELMEYER, Dr. Heinrich Traun & Söhne, Harburg
FRANZ DRUCKENMÜLLER, Franz Clouth, Rheinische Gummiwaren-Comp., A.-G., Köln-Nippes
Dr. EMDEN, Runge-Werke A.-G., Berlin-Spandau
Dr. EVERS, Forschungslaboratorium der Siemenswerke, Berlin-Siemensstadt
Dir. Dr. FEUCHTER, Vorwerk & Sohn, Gummiwerk, Barmen
Prof. Dr. FRANK, Chemisches Laboratorium für Handel und Industrie, Berlin W 35
Chefchemiker J. W. GELLER, B. Polack, Aktiengesellschaft, Waltershausen i. Thüringen
Dr. GRÄFENBERG, Gottfried Hagen A.-G., Köln-Kalk
Dr. HAANEN, Felten & Guilleaume, Carlswerk, A.-G., Köln-Mülheim
Dir. HAJEK, Brunonia-Werke A.-G., Braunschweig
Dr. HAUSER, Metallbank u. Metallurgische Gesellschaft, A.-G. Frankfurt a. M.
Dipl.-Ing. HILLEBRAND, Radium-Gummiwerke m. b. H., Köln-Dellbrück
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Our milestones: A look back

1926

In September 1926, 38 rubber technicians and researchers published a call for the establishment of a "scientific society of rubber chemists and engineers" for the "exchange of ideas for the benefit of the rubber industry as a whole" in the then very young journal "KAUTSCHUK."

The DKG was founded at the inaugural meeting in Düsseldorf. Hanover was chosen as the legal seat of the society, and the headquarters were established in Frankfurt am Main, where the first managing board member of the DKG, Prof. Dr. Ernst A. Hauser, was active.

1927–1930

The regional groups Hamburg (1927), Berlin (1927), Rhineland-Westphalia (1928), and Southwestern Germany (1930), now known as the North, East, West, and South regional groups , were established in rapid succession.

1930s

The DKG's lecture events became increasingly important platforms for the discussion of national and international scientific contributions. In 1936, during one of these events, Dr. Erich Konrad introduced the synthetic rubber BUNA, developed in Germany, for the first time. New approaches to the production of compounds are presented: This includes a shift toward organic vulcanisation accelerators and improved mechanical properties through gas blacks.

1933

In 1933, the DKG's statutes had to be adjusted to comply with the "Führerprinzip" (Leader Principle), aligning them with the 15 "Guidelines of the New Reich." This meant that from then on, the general meeting would only elect the chairman, "who alone takes full responsibility for the society's activities and determines his employees." After the outbreak of World War II in 1939, the official activities of the DKG were suspended.

1951

Dr. Erich Konrad, the last chairman of the society before the war, called for the reinstitution of the DKG in 1951. The DKG was revived and immediately gained international recognition. It received a series of greetings for resuming its activities.

1956

The thirtieth year of the DKG's existence, 600 conference participants gathered in Hamburg. For the first time, fourteen companies showcased their products in an exhibition area of 300 square meters, including testing machines and equipment.

TRADITION MEETS SCIENCE MEETS INDUSTRY

1960

The first major event in the history of the DKG took place in the Congress Hall in West Berlin: an international conference with high-profile foreign guests. It was a great success and served as the starting point for the present-day DKT.

1965

The 1965 international conference in Munich was the largest rubber conference held in Europe to date. Sixty presentations were offered to 1,400 participants from 33 countries at the Deutsches Museum. There was a reception by the Bavarian Minister of Economic Affairs and special performance of "Der Rosenkavalier" at the National Theater. By that year, the DKG already had 611 individual and 94 corporate members.

1977

To secure financial resources, the DKG established initial contacts with the Arbeitsgemeinschaft industrieller Forschungsvereinigungen (AiF) in Cologne, which awards research funding on behalf of the Federal Ministry of Economics. In 1982, the DKG becomes a research alliance and member.

1980s

The number of individual members increased from under 900 to 1,600 during the 1980s, and the number of corporate members increased from 99 to 134. The DKG became a member of the International Rubber Conference Organisation (IRCO).

1990

To cover the increased costs, the DKG decided on a significant increase in membership fees. This had consequences for the number of members. The difficult economic situation also left its mark. In the years to follow, several companies terminated their memberships, and there was a significant decline in individual DKG memberships.

1990s

The DKG expanded its collaborations with other European rubber societies. For example, the South and Southwest Germany regional group moved their conference to Lucerne in September 1991, and a German-French rubber symposium took place in Mulhouse in 1993. The Rhineland-Westphalia regional group organised a joint event with the Dutch Society of Plastic and Rubber Technologies (VKRT) in Maastricht.

1997

Since 1997, Nuremberg has served as the venue for all future DKT conferences.

2008

The DKG takes care of young talents and participates, together with the wdk, in the "Arena for Smart Minds" at the Commerzbank Arena in Frankfurt. Interesting products from the rubber industry were presented to inspire young people for technology and the material rubber, such as natural rubber directly from Malaysia, various raw materials, Formula 1 and DTM tires, baby soothers, condoms, hoses, gloves, David Coulthard's racing shoe (produced in a member company), diving suits, steel cord conveyor belt section, medicine balls, and more.

2015

The 100th conference of the DKG South regional group attracts almost 200 participants to Juliusspital in Würzburg.

2016

The German Rubber Society presents itself worldwide: From 24 to 28 October 2016, the DKG operated its own booth at the 2016 International Rubber Conference in southern Japan.

Rubber societies of Japan and Germany sign memorandum of understanding for scientific dialogue.

On 22 February, 2018, in Frankfurt, Prof. Toshikazu Takata, President of the Japanese Society of Rubber Science and Technology, and Dr. Jörg Böcking, Chairman of the German Rubber Society, signed a memorandum of understanding. The content is the expansion of national networks with an international component. For example, speakers from each country will be invited to events to provide new perspectives and facilitate direct exchange with international colleagues.

2018

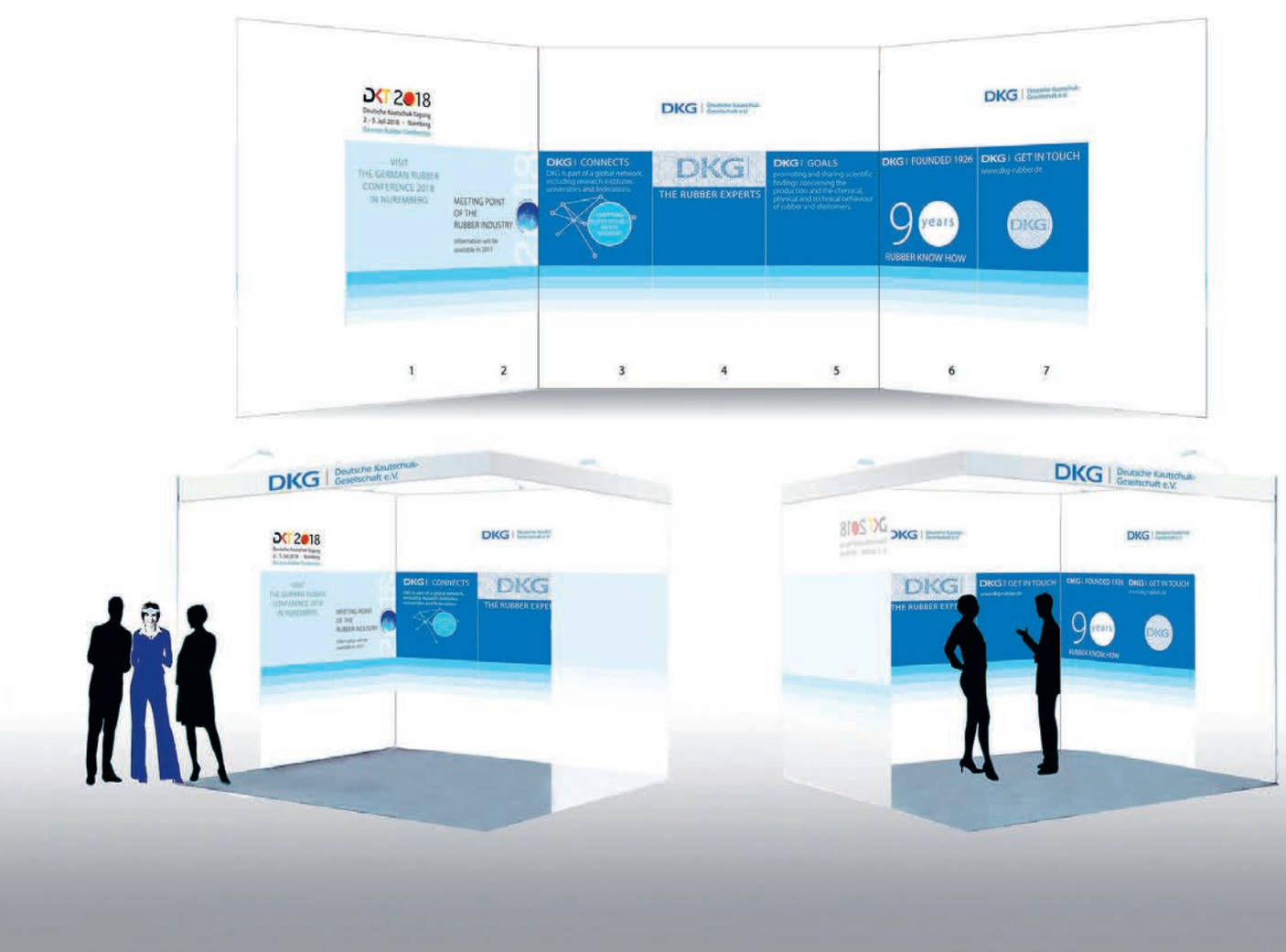
POSTPONEMENT OF DKT IRC 2021 DUE TO COVID-19

The global COVID-19 pandemic forced the DKG to take special measures. For the first time in its history, a planned DKT event had to be cancelled and postponed for one year.

DIGITAL DKG ELASTOMER SYMPOSIUM NETWORKS THE WORLD OF RUBBER.

As an alternative, the DKG organised a free online educational symposium. With over 1,000 participants from 36 different countries, this virtual event was a great success and demonstrated that the rubber society can combine tradition and modernity.

2021



Strong in the future

Climate change, the COVID-19 pandemic, the Ukraine conflict, demographic change – we live in a time of "multiple crises." Disrupted supply chains, scarcity of raw materials, high energy costs, skilled labour shortage, and increasing regulations are just some of the challenges that arise from these crises.

We do not want to be overwhelmed by them but rather actively address and manage these issues. A strong network with direct contacts as key "nodes" is more important than ever. Our society thrives on the personal commitment of each individual. We reflect this by involving our members in strategic processes and openly communicating decisions.

The German Rubber Society has exciting years ahead. The German Rubber Conference will be held again in 2024 and 2027. It will continue to be the most important event in the industry, which is why we will be expanding it in terms of its scope and organisation.

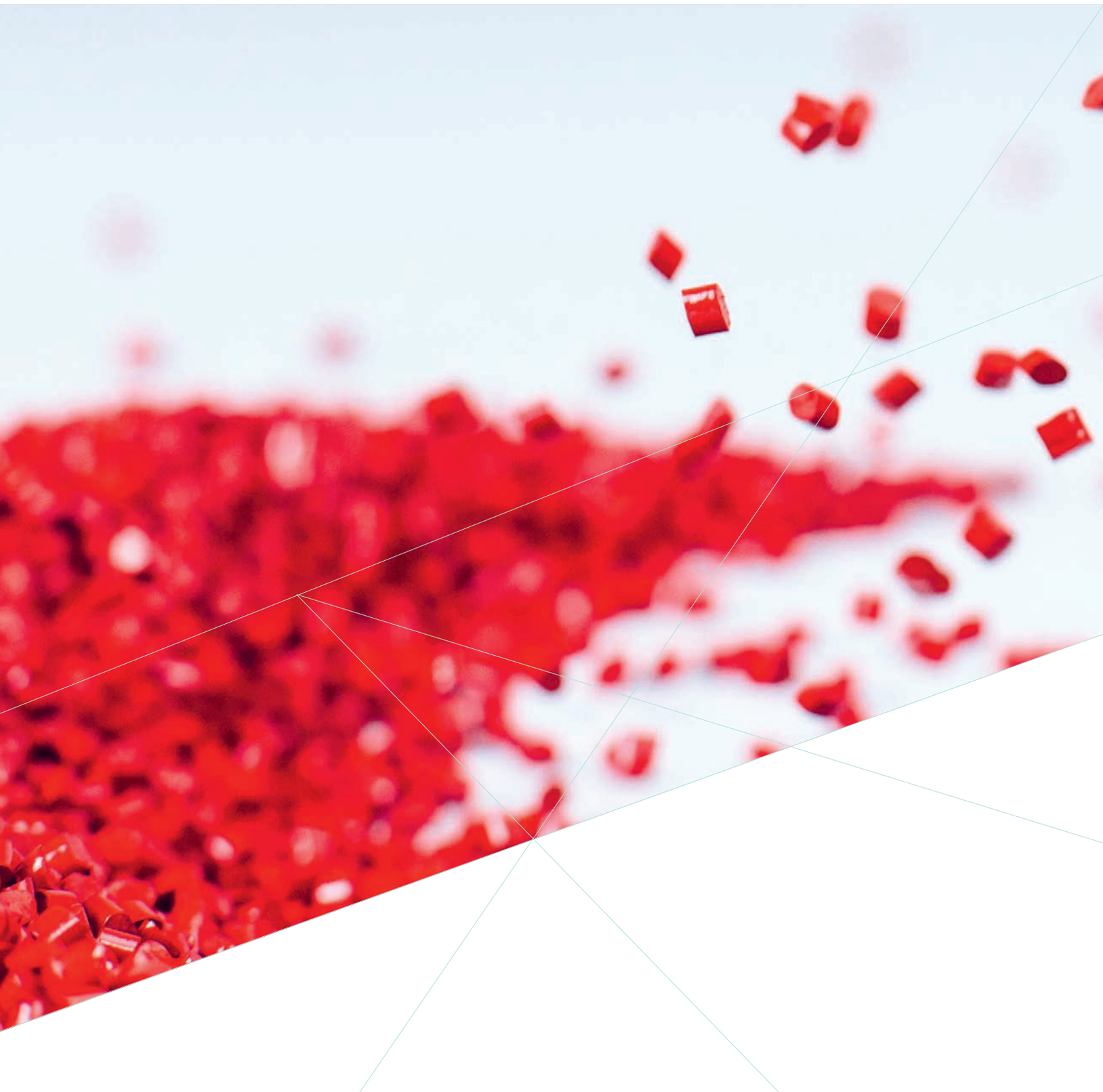
We will also communicate more extensively through social media and promote international communication and cooperation.

In 2026, we will celebrate our centenary anniversary. This provides an opportunity for a "look back to the future": Who do we want to be 100 years after our founding? Based on our history and tradition, how do we define our identity as a modern and future-oriented professional society? What tasks and goals will we define for the time ahead? In our committees, we will develop a roadmap for this purpose.

The direction is clear: revitalise and expand the DKG network, advance research, increase visibility to the outside, and strengthen the younger generation. All in line with the DKG motto: Tradition meets science meets industry.“

A big thanks to our members ...

for their participation and cooperative, trustful collaboration. Together with them, we look forward to many more successful years and numerous milestones that we will achieve in the world of rubber.



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