

RUBBER

PRODUCT RANGE
Germany



KRAHN CHEMIE – A STRONG PARTNER

WELCOME TO KRAHN CHEMIE. As an independent chemical distributor and sales partner to leading producers, we know that some things are simply better together. That's why we connect markets with innovations, processors with producers and questions with answers.

At KRAHN CHEMIE, you can find everything that a processor in the chemical industry values: a broad range of products from

top international producers, competent technical support, laboratory services and logistic solutions. We share your high standards in terms of speed, flexibility and quality – and have proudly served as your strong and reliable partner for more than 100 years.

We look forward to assisting and advising you.

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SYNTHETIC RUBBER

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
ACM HT-ACM (Acrylic rubber)	Racrester™	Osaka Soda	Vulcanizates made out of ACM and especially HT-ACM are extremely resistant against heat and various media. With these elastomers you can produce turbo charger hoses, air intake hoses and power steering hoses as well as media and temperature resistant seals and membranes.
ACSM (acrylated chlorosulfonated polyethylene)	extos®	Tosoh	ACSM based on acrylated polyethylene. Special elastomer with high resistance against oils and hot air as well as good weather resistance. Additional to regular CSM better dynamic properties, heat resistance and low temperature flexibilities. Applications: hoses and belts.
CPE (chlorinated polyethylene)	Dakren™	Osaka Soda	Vulcanizates made of Dakren™ CPE respectively CM have a good ozone-, oil- and weather resistance as well as good resistance to heated air. Application areas: cables, hoses, window profiles, PVC pipes.
CR (chloroprene rubber)	Skyprene®	Tosoh	CR is a synthetic rubber with extraordinary properties in case of resistance against weather conditions, oil and many aggressive chemicals. Additional, CR has a very good resistance. There are various kinds of grades available with different viscosity and chlorine content. Applications: fuel-, hydraulic- and power steering hoses.
CSM (chlorosulfonated polyethylene)	TOSO-CSM®	Tosoh	Elastomer with high resistance against oils and hot air as well as good weather resistance. There are various kinds of grades available with different viscosity and chlorine content. Applications: fuel-, hydraulic- and power steering hoses.
ECO (Epichlorhydrin rubber)	EPICHLOMER®	Osaka Soda	Epichlorhydrin rubber results in vulcanizates with a very good heat-, oil-, ozone- and weather resistance with a low gas permeability. Epichlorhydrin rubber is used in fuel systems, membranes as well as hoses for engines. Further applications are industrial- and printing rolls, tank surface protections as well as membranes and seals.
EPDM (Ethylene-propylene-diene-monomer)	Esprene®	Sumitomo Chemical Co.	Ethylene-propylene-diene-monomer (EPDM) is classified as polymer with saturated hydrocarbon chains with an excellent resistance to weather influences (e.g. UV radiation, ozone, heat and humidity) and it is mostly resistant to acid and bases. EPDM is used in the automotive, construction and electronic industry and for technical rubber goods.
EVA (Ethylene-vinyl-acetat)	Ateva®	Celanese	High-performance ethylene vinyl acetate copolymers with a VA contents from 9 up to 40% and wide MFI range from 0.35 to 850.

PLASTICIZERS

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Adipates	OXSOF™ DOA	Oxea	Plasticizer to improve the flexibility at low temperature. Furthermore, it reduces viscosity with good dispersion properties. Food contact applications are possible.
Benzoates	Jayflex™ MB 10	ExxonMobil Chemical	Benzoate based plasticizer which is used as an alternative for critical short-chain esters.
Benzyl phthalates	Santicizer®	Valtris	Phthalate based plasticizers, combining the following properties: Low volatility, excellent extraction resistance and a good compatibility with a wide variety of resins.
Dibenzoates	Synegis®	Synegis	Fast fusing, non-phthalate high solvating, primary plasticizers, compatible with a wide variety of resins, based on Dipropylene Glycol Dibenzoate/ Diethylene Glycol Dibenzoate.
Hexanoates	OXSOF™ 3G8	Oxea	Specialty plasticizer with low viscosity, good UV stability, low volatility and migration. Furthermore, OXSOF™ 3G8 shows excellent results as to flexibility at very low temperatures.
Phosphate ester	Santicizer®	Valtris	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility in multiple polymer systems.
Phthalates	Jayflex™ DIDP Jayflex™ DINP	ExxonMobil Chemical	High molecular standard plasticizers. Due to the branching of the alcohol chains Jayflex™ DINP and DIDP have a high migration resistance and a low volatility.
	Jayflex™ DIUP	ExxonMobil Chemical	High molecular special plasticizer for rubber processing. Due to its low fogging values and high migration resistance Jayflex™ DIUP is used in automotive applications, e. g. car interior.
	Jayflex™ DTDP	ExxonMobil Chemical	Very high molecular special plasticizer for rubber processing. Due to its very high molecular weight and the outstanding low volatility, Jayflex™ DTDP is recommended for high temperature and high voltage applications.
Polyadipates	Synegis®	Synegis	Polimeric plasticizer, which provide outstanding migration and extraction resistance to petrol and mineral oils. Excellent plasticizer for oil resistant cable jacketing and hoses.
Specialty blends	OXSOF™ DUO1	Oxea	Blend of two low volatile esters. Features an excellent migration profile combined with good processability. The low viscosity of the product enables easy handling. Additionally, it offers very good low temperature properties.
	OXSOF™ DUO2	Oxea	Blend of two low volatile esters. OXSOF™ DUO2 features a further improved migration profile compared to OXSOF™ DUO1, but still the product is easy to process. Extraction resistance against various media and fogging values are excellent.
Terephthalates	Plast Soft DOTP	Plastifay	Standard plasticizer, suitable for sensitive applications with direct food contact, as well as in the toy industry and for leisure products.
Trimellitates	OXSOF™ L9TM	Oxea	Extremely permanent, linear trimellitate plasticizer with low volatility and migration, as well as high resistance against extraction. Furthermore, OXSOF™ L9TM offers outstanding properties as to flexibility at low temperatures. Also because of the practically identical performance OXSOF™ L9TM is suitable as an alternative to linear C8-, C10- and linear C8-trimellitates.
	OXSOF™ TOTM/ TOTM ST	Oxea	Highly permanent plasticizer, compatible with various polymers, extremely low volatility, excellent protection against calcium soaps, low fogging and good processability.

ADDITIVES

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Blowing agents, chemical	Unifoam AZ	Hebron	Azodicarbonamide – Exothermic chemical blowing agent for fine-pored and regular foams, e. g. insulation foams made from synthetic rubber. The pure ADC is available in various particle sizes ranging from 3.5 to 23 µm, both as standard and as low-dust Ultra series. For low temperature applications also modified grades with kicker are available.
Co-stabilizers	ESBO	Hebron	Epoxidised Soybean Oil. Secondary Plasticizer and Co-Stabilizer. Yellow liquid, low odor, available in drums, IBC's as well as bulk to be applied as a co-stabilizer because of its good heat resistance and as secondary plasticizer for rubber, e.g. rubber mixtures for conveyor belts or other technical rubber parts.
Coupling agents	SiSiB® PC	Nanjing SiSiB Silicones	Bifunctional polysulfidic organosilanes for the rubber industry, used to improve the reinforcing capability of non-black fillers with silanol group on their surface.
Metal soaps	Alugel®	Baerlocher	Aluminium di-/tri-stearate. White powder with fine particle size distribution for good lubricating properties within the compound. Following types are available: Alugel® 34 TH, Alugel® 30 DF.
	Calciumstearat	Baerlocher	Calcium stearate. Highly pure, fine powder with large surface. Used as release agent.
	MG Siel 1	Baerlocher	Magnesium stearate, white powder as mold release agent for compounds. Hydrophobic agent for bicarbonate- or phosphate containing formulations. Used as acid scavenger e.g. in chlorinated formulations.
	Natriumstearat	Baerlocher	Sodium salt of the stearic acid, sprayed, white powder. Effective release agent in compounds.
	Zincum	Baerlocher	Zinc stearates. Fine, white powder with extremely large surface with excellent release properties.
Monomers	DAISO DAP™	Osaka Soda	Diallyl phthalate monomers, cross-linking agents for unsaturated polyester and hot sealing compound as replacement for styrene monomer as well as cross-linking agent for PVC polymerization.

RUBBER-TO-SUBSTRATE ADHESIVES

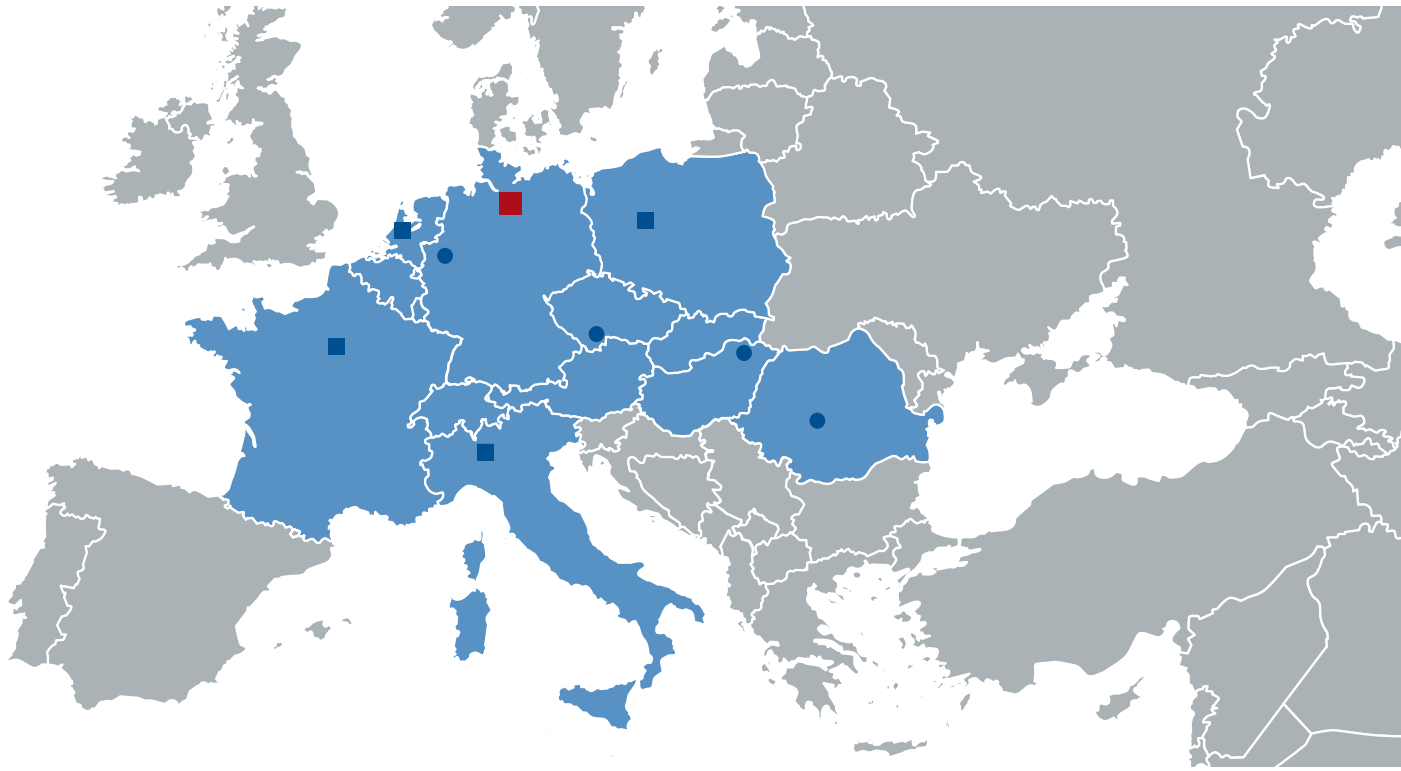
	Chemlok® Chemosil® Parlock™	Lord Germany	Bonding agents for the adherence of many elastomers to practically all metals. The products show high adhesion strength and resistance against corrosion, high temperatures as well as oils and solvents.
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PIGMENTS

Iron oxide pigments	Iron oxide	Toda United Pigment	Full color range of iron oxide pigments with excellent color consistency, very good dispersibility and high tinting strength.
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PROCESSING AGENTS

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Mould cleaners	Loctite® Frekote Reiniger	Henkel	Mold cleaner for removing residues of release agents, finger prints and waxes. These products are used at a temperature of 10 – 40°C.
Mould release agents	Loctite® Frekote	Henkel	Solvent-based semi-permanent release agent with a high thermal stability for multi releases of advanced composites (epoxy systems, polyester, vinyl ester) as well as rotational molding. Depending on the product a matt finish, satin finish or gloss finish of the molded part is possible.
	Loctite® Frekote C	Henkel	Water-based semi-permanent release agents with a thermal stability up to 315°C for multiple releases of advanced composites (epoxy systems, polyester, vinyl ester). The Loctite® Frekote C products are applied at room temperature and cure fast at a temperature.
	Loctite® Frekote HMT	Henkel	Solvent-based release agent for multiple releases of rubber parts. These products are especially for application on hot molds > 60°C. The Loctite® Frekote HMT2 is less moisture sensitive.
	Loctite® Frekote PUR100	Henkel	PUR100 is a semi-permanent, water-based release agent for multiple releases of PU parts. Molded parts can be painted or bonded without any post-finishing steps.
	Loctite® Frekote R	Henkel	Water-based semi-permanent release agents for multiple releases of rubber parts. The Loctite® Frekote R products have a thermal stability up to 315°C to 400°C after curing. There is no contamination of the molded part during the molding process.
	Sipio® CS	Henkel	Tenside based release agent with corrosion inhibiting effect and high thermal stability for release of rubber parts.
	SiSiB® MF2010	Nanjing SiSiB Silicones	The product is available in different viscosities (50-12500 mPas). It is used as lubricating agent and mould release agent.
Mould sealers	Loctite® Frekote Versiegler	Henkel	Mold sealers which are easy to apply to seal new molds and older molds with micro porosity and light surface blemishes. These products enhance the release advantages of Loctite® Frekote products.



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