

PLASTICS

PRODUCT RANGE
Czech Republic



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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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BASESTOCKS

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
PAO	SpectraSyn™	ExxonMobil Chemical	Poly-Alpha-Olefin (PAO). Viscosities from 2-1000 °C, good thermal and oxidative stability, excellent resistance to cold temperatures as well as low volatility. PAO's are used as processing oil for the processing of polyolefins.

PLASTICIZERS

Benzyl phthalates	Santicizer®	Valtris	Fast fusing plasticizers with low volatility and excellent extraction resistance. Also a good compatibility with a wide range of resins.
Citrates	SUCROPLAST ATBC	SUCROAL	Bio-based plasticizer. Good compatibility with other polymers. It is applied in products with food contact, as fast fuser, but also in medical devices and compounds.
Hexanoates	OXSOFT® 3G8	Oxea	Specialty plasticizer with low viscosity, good UV stability, low volatility and migration. Furthermore, OXSOFT® 3G8 shows excellent results as to flexibility at very low temperatures.
Monobenzoates	Jayflex™ MB10	ExxonMobil Chemical	Low viscous fast fusing plasticizer with favorable gelation properties providing a low, constant paste viscosity and a comparatively low volatility. Also compatible in combination with other standard plasticizers.
Phosphates	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 and fast fusion in PVC applications.
Phthalates	Chemflexx 911P	The Chemical Company	Low volatile linear C-9 and C-11 alcohol based phthalate plasticizer. Due to its outstanding weather resistant properties and general good permanence especially suitable for outdoor and durable applications.
	Jayflex™ DIDP Jayflex™ DINP	ExxonMobil Chemical	High molecular standard plasticizers for PVC processing. Due to the branching of the alcohol chains Jayflex™ DIDP has a high migration resistance und low volatility.
	Jayflex™ DIUP	ExxonMobil Chemical	High molecular special plasticizer on phthalate basis, compatible with various polymers. Due to its excellent fogging and migration values it is suitable for car interior parts and for high temperature range.
	Jayflex™ DTDP	ExxonMobil Chemical	High molecular special plasticizer, compatible with various polymers. Due to its high molecular weight and the especially low volatility, it is recommended for use in high temperature applications.
Specialty blends	OXSOFT® 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.
	OXSOFT® DUO2	Oxea	Blend of two low volatile esters. OXSOFT® DUO2 features a further improved migration profile compared to OXSOFT® 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.

PLASTICIZERS CONTINUED

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Trimellitates	OSXOFT® L9TM	Oxea	Extremely permanent, linear trimellitate plasticizer with low volatility and migration as well as high resistance against extraction. Furthermore, OSXOFT® L9TM offers outstanding properties as to flexibility at low temperatures. Also because of the practically identical performance OSXOFT® L9TM is suitable as an alternative to linear C8/C10 and linear C8 trimellitates.
	OSXOFT® 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

Adhesion promoters	SiSiB® PC	Nanjing SiSiB Silicones	Different organo-functional silanes to improve the adhesion between the polymer matrix and anorganic filling and reinforcing materials in GFC and CFC systems as well as highly filled compounds.
Co-stabilizers	ESBO (Epoxidised Soybean Oil)		Epoxidised soybean oil. Secondary plasticizer and co-stabilizer. To be applied as a co-stabilizer because of its good heat resistance and as secondary plasticizer for PVC formulations.
Coupling agents	SiSiB® PC	Nanjing SiSiB Silicones	Vinyl silane to graft and crosslink polyethylene for the cable and pipe industry.
Diols	EH Diol	Gulf Chemical International	2-Ethyl-1,3-hexanediol, Chain extender, modifier for PU systems.
Flame retardants	KSS-FR, HES-FR	Arichem	Halogen-free formulations, especially designed for PC and PC/ABS applications, transparent and opaque, that meet the requirements of the classification UL 94 V-0.
	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 and fast fusion in PVC applications.
Light stabilizers	Tiangang® HS / Tiangang® UV	Tiangang	Highly effective radical scavengers (HALS) and UV Absorbers to prevent plastics from aging by UV radiation, i. e. protection for fillers, colors and pigments.
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.
Reinforcing agents	SiSiB® PC	Nanjing SiSiB Silicones	Different organo-functional silanes to improve the initial and final strength as well as the increase of the storing stability.
UV absorbers	Zano®	Umicore Zinc Chemicals	Nano-sized zinc oxide with (for enhanced dispersing and transparency) or without surface treatment. Controlled narrow particle size distribution. Broad-band UV-protection for high transparency in films. Anti-microbial properties, suitable also for applications with food contact. Control of photocatalytic effect.

PIGMENTS

Aluminium pastes	Toyalshine	Toyal Europe	PVD-Pigments with high hiding power to achieve chrome effects.
Inorganic pigments	Ruichem	Ruichem	Rutile TiO2 pigment with organic and/or inorganic treatment. These pigments have very good opacity, color strength and dispersing properties as well as excellent light and weather resistance.
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.
Pearlescent pigments	Kuncai	Fuzhou Kuncai Fine Chemicals	Effect pigments for the plastics industry based on natural and synthetic mica as well as borosilicate glass. Wide range of colors with a high quality according to European standards.

SYNTHETIC RUBBER

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
CPE (chlorinated polyethylene)	Dakren™	Osaka Soda	Chlorinated polyethylene (CPE/CM) with high resistance against aging and various media. Mainly used as impact modifier in PVC, PE, ABS, resp. as elastomer for hoses and cables.
SEBS (styrol-ethylen-butadien-styrol block copolymer)	SEBS YH	Sinopec	The SEBS products from Sinopec are linear hydrogenated styrene/butadiene block copolymers, for the use in TPE-S compounds as impact modifier in technical plastics.

THERMOPLASTIC POLYMERS

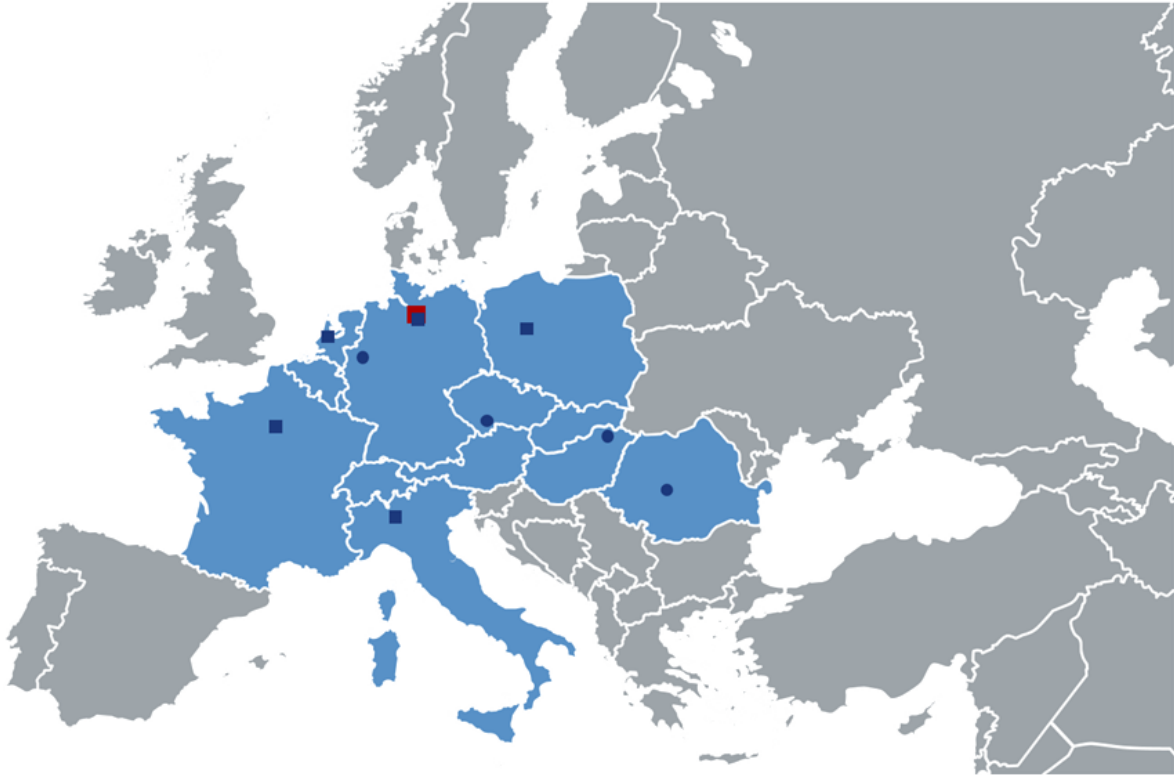
EVA (ethylene vinyl acetate)	Ateva®	Celanese	High-performance ethylene vinyl acetate copolymers with a VA contents from 9 up to 40 % and wide MFI range from 0.35 to 850.
PVC	Formolon®	Formosa Plastics	Emulsion- and microsuspension-PVC used in various paste processing and thermoplastic applications. A wide range of homopolymer-, copolymer- and blending resins with different molecular weights, viscosities, low moisture and VOC content can be offered.

RESINS

Alkyd resins	Italkid	Galstaff Multiresine	Solvent-based polyols that are applied in combination with isocyanate curing for 1- and 2 component PU systems.
Isocyanates	Uronal	Galstaff Multiresine	Aliphatic and aromatic isocyanates for PU-systems.
Polyester resins, saturated	Ftalon Italester	Galstaff Multiresine	Solvent-based polyols that are applied in combination with isocyanate curing for two component PU systems (also high solid).
Polyester resins, unsaturated	Poloral	Galstaff Multiresine	UV- and redox linking, solvent-free and in styrene solved, unsaturated polyester resins.
	Synteven	Galstaff Multiresine	Solvent-free and styrene-solved unsaturated polyester resins for cast resins, CFC- and GFC-systems as well as the production of gelcoats.
UV curing resins	Syncryl	Galstaff Multiresine	Polyester-, polyether-, urethane- and epoxy-acrylate oligomeres for UV-crosslinking systems.

Product Disclaimer

- Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. However, this information is given without obligation and does not exempt the buyer from carrying out own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party. Any exception of the above-mentioned restrictions requires the manufacturer's express release in writing.
- The products sold and/or supplied by us are not destined for the manufacture (i) of medical devices according to EU directive 93/42/EEC, in particular of implants, (ii) of biocides, (iii) of pesticides, (iv) of human and veterinary pharmaceuticals, (v) of food and feed products, (vi) of cosmetics, (vii) of weapons or other objects, designed to take human life or causing injuries.
- At all times our Conditions of Sale apply.
- Our product lists include dangerous goods. The correct marking of such goods is described in the respective datasheets.



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