BRENNTAG

Product List

Polymer additives
Germany, Austria and Switzerland

Our demand

We would like to inspire you

- Our highly motivated team of specialists is dedicated to providing you with the best services in the industry.
- We offer an excellent product range from renowned suppliers.
- We bring our customers and suppliers together in a profitable partnership - global and local.
- We live true customer service.
- We rely on our technical expertise and industry knowledge.
- We support our partners in the development and growth of their companies by creating added value for their business.
- Our global alignment and our ability to develop customized solutions constantly open up new opportunities.
- We are committed to maintaining high standards of safety, health and environmental care.

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synthomer

Polymer modifiers

All products are available in DE, AT and CH!

Antioxidants

Product name	Trade name	Manufacturer	Product desription
Phenols	ANOX® LOWINOX® ETHANOX®	SI Group	Wide product range of standard and special primary antioxidants. Primary antioxidants delay polymer degradation.
Phosphites	WESTON® ULTRANOX® ALKANOX®	SI Group	Wide range of standard and special secondary antioxidants. Secondary antioxidants in combination with primary antioxidants stop polymer degradation.
Amines	NAUGARD®	SI Group	Highly active primary antioxidants for the protection of polymers during processing and long-term aging.
Thioesters	NAUGARD®	SI Group	Thioesters as secondary antioxidants are preferred to improve long-term aging in combination with primary antioxidants.
Benzotriazoles	LOWILITE®	SI Group	UV absorbers absorb harmful UV radiation and convert it into thermal energy.
HALS	LOWILITE®	SI Group	HALS deactivate radicals caused by light radiation.
Blends	ANOX® BB	SI Group	Blends of phenols and phosphites with synergistic effect. Protection of polymers during processing and long-term aging.
Polycarbodiimides	Rhenogran® PCD-50	RheinChemie Additives	Effective hydrolysis protection. Recommended for polymers with ester groups, e.g. EVA.

Antifog additives

Product name	Trade name	Manufacturer	Product desription
Surfactant blend	Serdox® NCA	KLK OLEO	Saturated amines of coconut linoleic acid. Prevent fogging and the build-up of condensation on thermoplastic films and packaging.

Colorants

Product name	Trade name	Manufacturer	Product desription
Titanium dioxide	Kronos 1171 Kronos 2971	KRONOS	Anatase or rutile white pigments produced by the sulfate process with extensive approvals for direct food contact and pharmaceutical applications.
Iron oxide pigments	Hyrox™	HYROX	Wide color range of inorganic pigments.
Organic pigments	Bricofor™	BRENNTAG	Wide color range of organic pigments.
Dyes	Kenawax™	BRENNTAG	Wide color range of organic soluble dyes.

Flame retardants

Product name	Trade name	Manufacturer	Product desription
Amorphous silica	SIDISTAR®	Elkem	Flame retardant synergists. Improve flame retardancy in the polymer through better dispersion of flame retardants (ATO, ATH, phosphates). This can reduce undesirable flame retardants such as ATO in the formulation. Also promote encrustation and thus lead to reduced dripping.
Chloroparaffins	Cereclor™	INEOS	In addition to their plasticizing effect, the medium- and long-chain chloroparaffins (40 % - 63 % chlorine content) have very good flame retardant properties which rise with increasing chlorine content.
Phosphate plasticizers	Vulkanol® TOF	RheinChemie Additives	Liquid flame retardants for the polymers and rubber industry with low viscosity for PVC, PUR and elastomers. Also possess a plasticizing effect.

Functional fillers

Product name	Trade name	Manufacturer	Product desription
Precipitated silica	Vulkasil®	RheinChemie Additives	Precipitated silica, with reinforcing properties in various specific surfaces.
	Fengsil	Fengsil	Precipitated silica used in the rubber industry as a reinforcing filler. For the production of light-colored rubber compounds and, because of its special properties, also as a supplement to carbon blacks. Our silicas are available with different specific surfaces (BET) and in various delivery forms (as powder, microbeads or granules).
Sodium aluminum silicate	Vulkasil®	RheinChemie Additives	Reinforcing properties in rubber compounds. Differs from ordinary precipitated silicas by its low BET of 60 +/-15.
Amorphous silica*	SIDISTAR®	Elkem	Use as processing aids and dispersants. Improve abrasion properties.
Solid epoxy resins	EPON™	Westlake Epoxy	Use as functional fillers in TPE.

* Available in AT and CH

Polymer modifiers

Product name	Trade name	Manufacturer	Product desription
Coupling agents	POLYBOND®	SI Group	MAH-grafted polyolefins. Couplers of fibers and fillers with polyolefins and polyamides.
PA impact modifiers	ROYALTUF®	SI Group	Semi-crystalline and amorphous EPDM, grafted with MAH, to increase the impact strength of PA.
PA/ABS coupling agents	DENKA IP	Denka	MAH-grafted N-phenylmaleimide. In addition to the coupling function for PA/ABS, the heat resistance of ABS can also be increased.
	Denka IPX	Denka	Block copolymer based on N-phenylenemaleimide for increasing the heat resistance of ABS, ASA and other styrene-based copolymers. Other benefits include improved adhesion, chemical resistance of the finished compound, and easier processing of the new IPX series.
PVC modifiers	Baymod® N	ARLANXEO Performance Elastomers	NBR-based powder. Resistance of PVC to oils and chemicals is significantly improved.
Ethylene vinyl acetate rubber (EVM)	Levamelt®	ARLANXEO Performance Elastomers	High level of tack & cohesion as it os typical of rubber. Optimal properties even without plasticizers. Remains elastic even at low temperatures. Free of double bonds so material is aging-resistant. Adjustable vinyl acetate content and polarity. Good compatibility with a wide range of other polymers.
	Levapren®	ARLANXEO Performance Elastomers	Radical solution polymerization with good physical properties. Halogen-free (no formation of HCl in case of fire). No points of attack for ozone or UV light. Excellent weather and heat resistance (up to 175 °C). Balanced oil resistance, low temperature properties and flame retardance through proper choice of vinyl acetate content.
	Baymod® L	ARLANXEO Performance Elastomers	Good compatibility with PVC and other polymers. Highest notched impact strength with 45 % VA. Good plasticizing effect with 68 % VA. Excellent non-volatile, non-migrating plasticizer. Free-flowing powders .
Impact modifiers	BLENDEX®	Galata Chemicals	ASA and ABS modifiers to increase the impact strength of engineering thermoplastics.
AMSAN modifiers	BLENDEX®	Galata Chemicals	AMSAN modifiers to increase Vicat and HDT.
Matting agents	BLENDEX®BMAT	Galata Chemicals	Gloss reduction in ABS, H-PVC, TPU, PC/ABS and other polymers.
Impact modifiers	Lithene™ Ultra	synthomer	Non-migrating, low molecular weight, liquid polybutadienes, MAH grafted. Good bonding of fillers and improvement of impact strength.

All products are available in DE, AT and CH!

PVC additives

Product name	Trade name	Manufacturer	Product description
Barium zinc heat stabilizers	MARK® BZ	Galata Chemicals	Liquid, phenol-containing and low-phenol thermostabilizers for technical applications in W-PVC.
Calcium zinc heat stabilizers	MARK® CZ	Galata Chemicals	Liquid, paste and solid thermostabilizers for PVC.
Epoxy zinc heat stabilizers	MARK® EZ	Galata Chemicals	Liquid thermostabilizers for PVC plastisols. Suitable for applications in automotive interiors.
Organic heat stabilizers	MARK® OBS®	Galata Chemicals	Liquid, metal-free thermostabilizers for technical applications in W-PVC.
Zinc heat stabilizers	MARK® Z	Galata Chemicals	Solid and paste thermostabilizers for W-PVC with long-term thermostability.
Tin heat stabilizers	MARK®	Galata Chemicals	Liquid octyltin and methyltin mercaptides for H-PVC.
	MARK® T	Galata Chemicals	Liquid octyltin carboxylates and mercaptides for H-PVC applications with improved light stability.
Co-stabilizers	DRAPEX®	Galata Chemicals	Epoxy oils to improve thermostability and light stability in PVC.
	Inbraflex®	Inbra	
	MARKPHOS®	Galata Chemicals	Liquid phosphites to improve initial color, transparency, thermostability and light stability.
	MARK® CE	Galata Chemicals	Liquid and solid co-stabilizers to improve long-term thermostability or amine resistance in technical W-PVC applications.
Antistatics	MARKSTAT®	Galata Chemicals	Liquid antistatics for technical applications in W-PVC.
Inhibitors	MARK® I	Galata Chemicals	Liquid inhibitors for local suppression of foaming with chemical blowing agents in W-PVC.
Dodecylbenzene	Marlican®	sasol	PVC plastisol thinners.

Release agents and process additives

Product name	Trade name	Manufacturer	Product description
Polysiloxanes	Getren® Tego® Emulsion	EVONIK	Release and demolding agents for various applications.
Silicone emulsion	Silcolapse®	Elkem	20 % silicone emulsion for foam reduction in cleaning processes of thermoplastic recyclates.
Silicone oils	Bluesil™	Elkem	Versatile use, e.g. as mold release agents.
Process oils	Prozessöl	ExxonMobil	Various grades of Group 1 oils available in four different viscosities.
Molecular sieves	PURMOL®	ZEOCHEM	Zeolite. Drying aids.
Potassium laurate	DUB LK	STÉARINERIE DUBOIS	Tf = 215 °C
Potassium laurate 25 %	DUB LP 25	STÉARINERIE DUBOIS	Release agents for various applications.
Isopropyle isostearate	DUB ISIP	STÉARINERIE DUBOIS	Tf = < 0 °C
PG3 Diisostearate	DUB ISO G3	STÉARINERIE DUBOIS	Tf = < 20 °C
Glycerol triisostearate	DUB TGIS	STÉARINERIE DUBOIS	Tf = < 0°C
Glycerol stearate 5050	DUB GMS 5050	STÉARINERIE DUBOIS	Tf = 57 °C. Can be used as a release agents, processing aids or antistatics.
Stearic acid	STEARINE TP 1200	STÉARINERIE DUBOIS	Tf = 54 - 56 °C
Aluminium stearate	DUB SA	STÉARINERIE DUBOIS	Tf = 160 - 170 °C
Calcium stearate	DUB SCA	STÉARINERIE DUBOIS	Tf = 145 - 175 °C
Potassium stearate	DUB SK	STÉARINERIE DUBOIS	Tf = 215 °C
Magnesium stearate	DUB SMG	STÉARINERIE DUBOIS	Tf = 130 - 145 °C
Sodium stearate	DUB SNA VE	STÉARINERIE DUBOIS	Tf = 210 - 220 °C
Carnauba wax	Pan oil leader CWM	STÉARINERIE DUBOIS	Tf = 82 - 86 °C
Wax from vegetal origin	DUB GREEN M2T	STÉARINERIE DUBOIS	Tf = 65 - 77 °C

All products are available in DE, AT and CH, except*!

Processing aids

Product name	Trade name	Manufacturer	Product description
Hydrocarbon resins*	Novares®	RAIN CARBON INC.	Wide range of different hydrocarbon resins with different softening points.
Primary amide waxes	Kemamide® Armoslip®	pmc biogenix	Behenamides, erucamides, oleamides and stearamides for use as antiblocking and slip agents in plastisols and polyolefins.
Secondary amide waxes	Kemamide®	pmc biogenix	Due to their high temperature resistance, secondary amide waxes are suitable for use as antiblocking agents, lubricants and mold release agents in engineering thermoplastics.
Silanes	Dynasylan® AMEO	EVONIK Leading Beyond Chemistry	Aminosilane composition. Acts as an adhesion promoter between inorganic materials (e.g. glass, metals, fillers) and organic polymers (thermosets, thermoplastics, elastomers).
	Dynasylan® DAMO	EVONIK Leading Beyond Chemistry	Diaminofunctional silane. Acts as an adhesion promoter between inorganic materials (e.g. glass, metals, fillers) and organic polymers (thermosets, thermoplastics, elastomers) and as surface modifier.
	Dynasylan® HYDROSIL	EVONIK Leading Beyond Chemistry	Multifunctional silanes, water-based, non-flammable, excellent solubility in water and do not split off solvents in production and in the final product (VOC-free).
	Dynasylan® SILFIN	EVONIK Leading Beyond Chemistry	Combination of a silane molecule with various additives (initiator, catalyst, etc.) for use in the polymers, cable and pipe industries.
	Silane Si 69 70 %	BRENNTAG	Dry liquids, silanes on mineral carrier, free-flowing. Bis-triethoxypropylsilyl tetrasulfide on amorphous silica.
Antistatics	Servo®, Servoxyl®, Serdox®	KLK OLEO	Internal liquid antistatics. Cation-active and anion-active antistatics are used in polar polymers such as PVC and styrene polymers. Non-ionic compounds are suitable as antistatics in PE and PP.
Marlon ARL	Marlon ARL	sasol	Solid, powdered product brings a long-term antistatic effect in styrene polymers. It shows excellent thermal stability and is suitable for high temperature processing. It is recommended for HIPS, ABS and non-transparent rigid PVC.
Pentaerythrityltetrastearate	Aflux® 54	RheinChemie Additives	For improving the dispersion and processing of technical molded and extruded goods.
Triglyceride C8/C10 5545	DUB MCT 5545	STEARINERIE DUBOIS	High temperature resistance.
Butyl oleate	DUB GREEN OA1	STEARINERIE DUBOIS	For NR, CR.
Glycerin stearate 5050	DUB GMS 5050	STEARINERIE DUBOIS	Tf = 57 °C. Can be used as a release agents, processing aids or antistatics.
Butyl stearate	DUB GREEN SA1	STEARINERIE DUBOIS	For chlorinated rubber. Could be used as a secondary plasticizers or processing aids.
Glycol ethylen stearate	DUB SEG	STEARINERIE DUBOIS	Can be used as a processing aids or antistatics.
Stearic acid	STEARINE TP 1200	STEARINERIE DUBOIS	Tf = 54 - 56 °C

* Available in DE

Plasticizers

Product name	Trade name	Manufacturer	Product description
Epoxy oils	Drapex®	Galata Chemicals	Epoxidized soybean oils (ESBO): Secondary plasticizers. Epoxidized tall oils: primary plasticizers, excellent low-temperature flexibility.
	Inbraflex®	inbra	
White oils	Primol™ Marcol™	ExxonMobil	FDA-approved paraffinic oils with high purity and corresponding transparency.
Chloroparaffins	Cereclor™	INEOS	Medium- to long-chain chloroparaffins (40 % - 63 % chlorine content) used as secondary plasticizers in various thermoplastics up to 200 °C processing temperature. Wide range of applications, e.g. good low-temperature flexibility in PVC, as well as partial replacement of primary plasticizers (e.g. phthalates, phosphates) in PVC possible and thus improved performance/cost balance of the compound.
Special plasticizers	Vulkanol® 95	RheinChemie Additives	Special plasticizer with a good compatibility in many elastomers. Can be used over a wide temperature range in rubber articles due to its flexibilizing effect at low temperatures and its low vapor pressure at high temperatures. Easily dispersible and changes the physical properties of rubber compounds only slightly. Compatible with CR, NBR, NR, SBR, ECO, EPDM, IIR.
Butyltriglycoladipate	DUB GREEN DB3EA	Stéarinerie Dubois	Plasticizers for HNBR, VAMAC, ECO, NBR, NBR/PVC, HNBR, XNBR, CR, Hypalon, CM, CPE, ACM. Effective from - 50 °C to 130 °C. Heat aging and hydrocarbon resistance.
Diethylhexyladipate	DUB GREEN DOA	Stéarinerie Dubois	Plasticizers for various applications.
Butyladipate	DUB GREEN AA1	Stéarinerie Dubois	Plasticizers for various applications.
Triethyleneglycolcaprate	DUB 810 TEG	Stéarinerie Dubois	Plasticizers for HNBR, NBR, NBR-PVC, CR, SBR, NR, ECO, ACM, VAMAC, Hypalon, CM. Oil resistance and low temperature flexibility.
PEG 400V dioleate	DUB GREEN DON 14V	Stéarinerie Dubois	Can be used as a plasticizers or antistatics.
Butyloleate	DUB GREEN OA1	Stéarinerie Dubois	Plasticizers for NR, CR.
PEG 400V oleate	DUB GREEN ON 14V	Stéarinerie Dubois	Can be used as a plasticizers or antistatics.
Ethylhexylpolyhydroxy-stearate	ESTOGREEN A325	Stéarinerie Dubois	Secondary plasticizers to reduce exsudation.
Triethyleneglycoldioctoate	DUB GREEN DCTG	Stéarinerie Dubois	Plasticizers for HNBR, NBR, NBR-PVC, CR, SBR, NR, ECO, ACM, VAMAC, Hypalon, CM. Oil and hydrocarbon resistance. Good synergy with flame retardant fillers.
C12-15 alkylbenzoate	DUB B1215	Stéarinerie Dubois	DINP alternatives.
PG3 diisostearate	DUB ISO G3	Stéarinerie Dubois	Tf = < 20 °C
Dibutylsebacate	DUB GREEN DBS	Stéarinerie Dubois	Plasticizers for HNBR, NBR, NBR-PVC, CR, SBR, NR, ECO, ACM, VAMAC, Hypalon, CM. Effective from - 50 °C to 70 °C. Low temperature flexibility.
Diisopropylsebacate	DUB GREEN DIS	Stéarinerie Dubois	Plasticizers for various applications.
Diethylhexylsebacate	DUB GREEN DOS	Stéarinerie Dubois	Plasticizers for HNBR, NBR, NBR-PVC, CR, SBR, NR, ECO, ACM, VAMAC, Hypalon, CM. Effective from - 50 °C to 120 °C.
Butylstearate	DUB GREEN SA1	Stéarinerie Dubois	For chlorinated rubber. Can be used as a secondary plasticizers or processing aids.

All products are available in DE, AT and CH, except*!

In addition to our comprehensive portfolio of additives, we offer polymer solutions tailored to the requirements of our customers.

Polymers

Engineering thermoplastics

Polymer	Trade name	Manufacturer	Product description
PA 12	VESTAMID®	EVONIK	▪ Very low water absorption ▪ Exceptionally high impact strength ▪ High resistance to chemicals ▪ Excellent abrasion resistance ▪ Low coefficient of sliding friction ▪ Excellent fatigue resistance
PA 12-Elastomers	VESTAMID®	EVONIK	▪ Good chemical and solvent resistance ▪ Excellent low-temperature impact strength ▪ High elasticity and good resilience ▪ Low temperature dependence of the mechanical properties ▪ No volatile or migrating plasticizers
PA 612	VESTAMID®	EVONIK	▪ Low coefficients of sliding friction ▪ Advantages over PA 12: - higher heat deflection temperature - better tensile and flexural strength - excellent rebound resilience
Biopolyamide 610, 1010, 1012	VESTAMID® TERRA	EVONIK	▪ Based on renewable raw materials ▪ Favorable CO_2 balance ▪ High-performance thermoplastics ▪ Can compete with established polyamides
PA 12 (USP Class VI) PA PACM 12 (USP Class VI)	VESTAMID® Care TROGAMID® Care	EVONIK	▪ High bursting strength and high toughness ▪ Outstanding chemical resistance ▪ Good mechanical properties ▪ Non-toxic ▪ Resistance to body fluids
PA PACM 12 (transparent)	TROGAMID®	EVONIK	▪ Glass-clear, high transparency ▪ High mechanical strength ▪ High heat resistance and toughness ▪ Good chemical resistance ▪ Low shrinkage on processing
PBT	VESTODUR®	EVONIK	▪ Low water absorption, therefore exact shape retention ▪ High strength and hardness ▪ Good sliding friction behavior, low abrasion ▪ Good electrical properties ▪ No tendency to stress fractures
Copolyamide melt adhesive	VESTAMELT®	EVONIK	▪ Economical, gentle on fabrics, also with difficult-to-bond surfaces ▪ Good resistance when washing and dry-cleaning ▪ Steam and solvent-resistant
PC (Polycarbonate)	TARFLON™	idemitsu	▪ High impact strength ▪ Good transparency ▪ Excellent heat resistance ▪ Excellent dimensional stability ▪ Excellent electrical properties
PMMA* glass-clear and colored	PLEXIGLAS®	RÖHM	▪ Maximum light transmission (92 %) ▪ Very good UV resistance ▪ High surface hardness ▪ Types with excellent impact strength ▪ Types with very good light scattering effect
Polyoxymethylene** Copolymer	SABIC® POM	sabic	▪ High strength and stiffness ▪ Superior chemical resistance ▪ Low friction coefficient (self lubricating) ▪ Excellent wear properties ▪ Good dimensional stability and ease of machining
PPS***	TORELINA™	TORAY	Polyphenylene sulfide

* Available in DE and AT ** Available in DE and CH *** Available in AT

Polyolefins*

Polymer	Trade name	Manufacturer	Product description
PP-H	Borealis	BOREALIS	Polypropylene homopolymer
PP-C	Borealis	BOREALIS	Polypropylene copolymer
PP-R	Borealis	BOREALIS	Polypropylene random copolymer
LDPE	ExxonMobil	ExxonMobil	Low density polyethylene
LLDPE	ExxonMobil	ExxonMobil	Linear low densitiy polyethylene
HDPE	ExxonMobil	ExxonMobil	High density polyethylene
EVA	Escorene	ExxonMobil	Ethylene vinyl acetate copolymer

* Available in AT

Styrene polymers*

Polymer	Trade name	Manufacturer	Product description
ABS	TOYOLAC™	TORAY	Acrylonitrile budatiene styrene
SAN	TOYOLAC™	TORAY	Styrene acrylonitrile copolymer

* Available in AT

Learn more about our customized polymer solutions at **brenntag.com.**

Brenntag polymer solutions

As our customer, you have access to an extensive product and service portfolio around additives and thermoplastics.

We offer you selected, high-quality products from leading global manufacturers. In addition, we have a unique global network at our disposal and aim to create long term relationships with our partners.

Your benefits at a glance:

- Decades of experience in the polymer industry
- Strong, reliable partner, backed by an industry leading international chemical distribution group
- Quality, compliance and EHS assured operations, logistics, products and services
- Industry leading range of products that support the customer's application needs
- Flexibility to investigate new standards for our product range
- Technical expertise and on-site support
- Supply chain management support
- Access to Brenntag Connect

Our team of experts will be pleased to advise you on all matters, from raw materials to the optimization of your production processes and polymer recycling.

Brenntag Connect

Brenntag Connect is your online platform and 24/7 access to Brenntag products and services like orders, product information, documents and invoices.

Access to Brenntag products and prices

Important documents in one place

Submit business inquiries

Place and track your orders

Order history and accounting documents

Scan to register

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