

Connecting**Chemistry**



HIGH-PERFORMANCE POLYMERS AND ENGINEERING PLASTICS

Products supplied

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About Brenntag

Brenntag GmbH is the German subsidiary of the Brenntag Group, the global market leader in chemical distribution. As the link between chemicals producers and industrial users, Brenntag provides distribution solutions for industrial and specialty chemicals.

Brenntag Polymers

The team at Brenntag Polymers is unrivaled in the thermoplastics industry for its dedication and expertise, and our team fully leverages its passion and technical know-how of polymers to benefit of our customers.

We offer our customers a comprehensive portfolio of products and services. Alongside our range of leading brands, we also develop and produce our own compounds based on engineering thermoplastics and high-performance polymers as well as customized special compounds for injection molding and extrusion.

Whether you need structural materials, high-performance compounds or customized material solutions, our product range contains a wide-ranging selection of thermoplastics.

In addition, we offer our customers extensive support along the entire process chain – from product development and selection, to application-related consulting and mold design, right the way through to support with series production.

As a systems supplier, Brenntag offers you the benefits of local and regional market presence with the network of a globally operating company. This enables us to deal with your needs quickly, and guarantee you the best logistical and technical support.







LEIS Polytechnik polymere Werkstoffe GmbH – A Brenntag Group Company

Brenntag has acquired LEIS Polytechnik polymere Werkstoffe GmbH, based in Ramstein-Miesenbach in Germany.

The company is specialized both in the development, production and marketing of compounds from engineering thermoplastics and high-performance compounds and in creating customized material solutions. It supplies some 700 products for a wide variety of applications in many different industries.










Distributed brands







POLYMER	TRADE NAME	MANUFACTURER	PRODUCT DESCRIPTION
PA 12	VESTAMID®		<ul style="list-style-type: none"> ■ 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®		<ul style="list-style-type: none"> ■ 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®		<ul style="list-style-type: none"> ■ Low coefficients of sliding friction ■ Advantages over PA 12: <ul style="list-style-type: none"> - higher heat deflection temperature - better tensile and flexural strength - excellent rebound resilience
PPA	VESTAMID® HTplus		<ul style="list-style-type: none"> ■ Very high stiffness and hardness ■ Good dimensional stability ■ High temperature resistance ■ High resistance to chemicals ■ Materials for metal substitution
Biopolyamide 610, 1010, 1012	VESTAMID® Terra		<ul style="list-style-type: none"> ■ Based on renewable raw materials ■ Favorable CO2 balance ■ High-performance plastics ■ Can compete with established polyamides
PA 12 (USP Class VI) PA 6-3-T (USP Class VI) PA PACM 12 (USP Class VI)	VESTAMID® Care TROGAMID® Care		<ul style="list-style-type: none"> ■ High bursting strength and high toughness ■ Outstanding chemical resistance ■ Good mechanical properties ■ Non-toxic ■ Resistance to body fluids



Distributed brands

POLYMER	TRADE NAME	MANUFACTURER	PRODUCT DESCRIPTION
PA 6-3-T (transparent) PA PACM 12 (transparent)	TROGAMID®	 EVONIK INDUSTRIES	<ul style="list-style-type: none"> ■ Glass-clear, high transparency ■ High mechanical strength ■ High heat resistance and toughness ■ Good chemical resistance ■ Low shrinkage on processing
PBT	VESTODUR®	 EVONIK INDUSTRIES	<ul style="list-style-type: none"> ■ 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 INDUSTRIES	<ul style="list-style-type: none"> ■ Economical, gentle on fabrics, also with difficult-to-bond surfaces ■ Good resistance when washing and dry-cleaning ■ Steam and solvent-resistant
PMMA glass-clear and colored	PLEXIGLAS®	 EVONIK INDUSTRIES	<ul style="list-style-type: none"> ■ Maximum light transmission (92%) ■ Very good UV resistance ■ High surface hardness ■ Types with excellent impact strength ■ Types with very good light scattering effect
MBS	CYROLITE®	 EVONIK INDUSTRIES	<ul style="list-style-type: none"> ■ High transparency ■ High impact strength even at low temperatures ■ Resistant to EtO gas and gamma rays ■ High chemical resistance ■ Easy to bond, also with PVC
PMMA-Compounds	Customized product development	 BRENNTAG	<ul style="list-style-type: none"> ■ Injection-molded parts ■ Extrusion applications
PA 6 PA 66	EPLAMID	 EPSAN PLASTIK GMBH, TSC. LTD. QTL	<ul style="list-style-type: none"> ■ High heat resistance ■ Good flow behavior ■ High impact strength ■ Flame-retardant properties ■ Good abrasion resistance
PA 6 PA 66	GREEN EPLON	 EPSAN PLASTIK GMBH, TSC. LTD. QTL	<ul style="list-style-type: none"> ■ See EPLAMID
SBS SEBS SEPS	Novaprene®	 Novaco GmbH	<ul style="list-style-type: none"> ■ Outstanding rubber-like properties ■ Materials in hardnesses from Shore A 10° to Shore D 60° ■ Excellent elongation at break and tear strength ■ Very good tactile and optical properties ■ Virtually no intrinsic odor

Our own brands

POLYMER	PRODUCT NAME	PRODUCT DESCRIPTION
PA 6 PA 66		<ul style="list-style-type: none"> ■ High toughness and hardness ■ Very good abrasion resistance ■ High heat resistance ■ Good chemical resistance ■ Wide spectrum of fillers and reinforcing materials
PA 6 PA 66		<ul style="list-style-type: none"> ■ Magnetically detectable compounds ■ Suitable for use in the food industry ■ Conformity to regulation 10/2011 (EU), FDA 21 CFR ■ Enable maximum process reliability ■ Individual color settings or conductive combinations possible
PA 66		<ul style="list-style-type: none"> ■ Metal substitute ■ Compounds specifically for use in drinking water segment ■ Excellent mechanical properties ■ Glass fiber reinforcements from 30% to 60% ■ Very good thermoplastic processability
All polymers in the field of engineering plastics and high-performance plastics		<ul style="list-style-type: none"> ■ Development and production of customized materials: ■ Definition of requirements profile ■ Fixing of specifications for "your" material ■ Precise implementation of your requirements ■ Compounds geared exactly to your application
PA 6 PA 66		<ul style="list-style-type: none"> ■ Metal substitute ■ High glass reinforcement (up to 70%) in the feed-up process (enables extremely careful incorporation of the glass fibers) ■ Better processing properties than partially aromatic polyamides ■ No PA 6 / PA 66 on the market with comparable mechanical values
PA 6 PA 66		<ul style="list-style-type: none"> ■ Metal substitute ■ Specifically for applications subjected to high dynamic load ■ Tensile strength of up to 310 MPa ■ High elasticity modulus and thus high dimensional stability ■ Very high elasticity, outstanding elongation
PBT PET		<ul style="list-style-type: none"> ■ High heat resistance, stiffness and hardness ■ Can be subjected to high dynamic loads ■ Extremely favorable slip and abrasion behavior ■ Good chemical resistance ■ Low tendency to stress cracking and good dimensional stability
PA 6 PA 66 PPS PBT		<ul style="list-style-type: none"> ■ Thermally conductive compounds ■ Electrically conductive or electrically insulating ■ Optimum heat dissipation ■ Maximum design freedom and complex design possibilities ■ Multi-functional use, significant cost and weight reduction
PA 66 PPS PEEK		<ul style="list-style-type: none"> ■ Tribologically optimized compounds ■ Ideal sliding/slipping/bearing products for extreme demands ■ Exceptional resistance to wear and tear ■ Low coefficients of friction ■ Outstanding dimensional stability



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