

Connecting**Chemistry**



HIGH-PERFORMANCE POLYMERS AND ENGINEERING THERMOPLASTICS GERMANY

Product List

www.brenntag.com

About Brenntag

Brenntag is the global market leader in chemical and ingredients distribution. Beyond the marketing of process chemicals, Brenntag is focused on specialty products, value-added services and customized solutions.

Brenntag Polymers – More than distribution

The Polymers unit offers customers in the thermoplastics processing industry a broad portfolio of polymers and polymer additives. In addition to a distribution range for products from other leading manufacturers, customers have at their disposal a wide range of products from our own innovative development work. The Brenntag Compounding Facility at the Ramstein site (Germany) specializes in the development, production and marketing of compounds made from engineering thermoplastics and high-performance polymers and provides customers with differentiated and comprehensive support in implementing individualized applications.

Compounds according to customer demands

The key competencies are specialty compounds that are developed in close cooperation with our customers to address their specific demands. This results in highly individual materials with specific property profiles for complex technical applications, for example in the fields of Mobility, E&E or Industrial Engineering, etc. Customers can choose from a wide range of different base polymers and additive / filler combinations. They also benefit from decades of experience in thermoplastics design, application expertise and solutions competence.









With a user-centric approach, flexible adaptation to requirements and fast response times, materials for metal substitutes, functionalized compounds (e.g. thermally conductive, detectable), food-grades or tribologically optimized grades are developed and produced at the Ramstein plant on our own production lines.

Sustainable material solutions







Focus topics such as New Mobility, Automation and the Circular Economy are addressing completely new requirements for thermoplastics in almost all areas. Brenntag Polymers is your innovative development partner in an increasingly volatile market for polymers and brings together the advantages of local and regional market presence and the network of a globally active company.



Our Products






POLYMER	PRODUCT NAME	MANUFACTURER	PRODUCT DESCRIPTION
PA	ALAMID®		<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	ALAMID® D		<ul style="list-style-type: none"> ■ Magnetically detectable compounds ■ Suitable for use in the food industry ■ Food compliant according to VO 10/2011 (EU) ■ Enable maximum process reliability ■ Individual color settings or conductive combinations possible
All polymers in the field of engineering thermoplastics and high-performance thermoplastics	LEIS Spezialcompounds		<ul style="list-style-type: none"> ■ Development and production of customized materials: <ul style="list-style-type: none"> – Definition of requirements profile – Fixing of specifications for "your" material – Precise implementation of your requirements – Compounds geared exactly to your applications
PA 6 PA 66	NYLAFORCE®		<ul style="list-style-type: none"> ■ High-performance polyamides with exceptional mechanical values ■ Very high glass fiber reinforcement ■ Better processing properties than semi-aromatic polyamides ■ Very good surface qualities ■ Slow, low moisture absorption ■ High dimensional and property stability under changing environmental conditions ■ For technical functional parts with the highest demands on mechanical strength
PA 6 PA 66	NYLAFORCE® dynamic		<ul style="list-style-type: none"> ■ High-performance polyamides, especially for applications subject to high dynamic loads ■ Tensile strength of up to 320 MPa ■ Elongation at break of >3 ■ High tensile modulus and thus high dimensional stability ■ Very high elasticity, excellent elongation ■ Very good processing properties, excellent surface quality
PBT PET	TECDUR		<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	THERMOFORCE®		<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	TRIBOFORCE®		<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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PA 12	VESTAMID®	 EVONIK Leading Beyond Chemistry	<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®	 EVONIK Leading Beyond Chemistry	<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®	 EVONIK Leading Beyond Chemistry	<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
Biopolyamide 610, 1010, 1012	VESTAMID® Terra	 EVONIK Leading Beyond Chemistry	<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 PACM 12 (USP Class VI)	VESTAMID® Care TROGAMID® Care	 EVONIK Leading Beyond Chemistry	<ul style="list-style-type: none"> ■ High bursting strength and high toughness ■ Outstanding chemical resistance ■ Good mechanical properties ■ Non-toxic ■ Resistance to body fluids
PA PACM 12 (transparent)	TROGAMID®	 EVONIK Leading Beyond Chemistry	<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



Our Products

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PBT	VESTODUR®	 EVONIK Leading Beyond Chemistry	<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 Leading Beyond Chemistry	<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®	 RÖHM	<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
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
Polyoxymethylene Copolymer	SABIC® POM	 سابك sabic	<ul style="list-style-type: none"> ■ High strength and stiffness ■ Superior chemical resistance ■ Low friction coefficient (self lubricating) ■ Excellent wear properties ■ Good dimensional stability and ease of machining

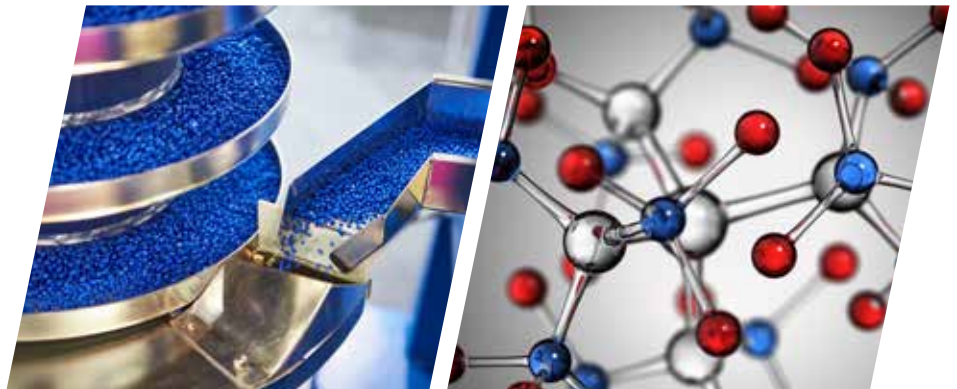


Brenntag Polymers in brief

- Innovative development partner for your projects
- Decades of compounding experience
- Certified to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018
- More than 700 products from our own development work
- State-of-the-art compounding facilities
- Cooperation with other, well-known global market leaders
- Flexible demand adjustment, fast reaction times
- Networked in regional and global markets
- Cross-industry solutions

Our Core Competencies

- Compound Development
- Individual Material Solutions
- Metal Substitution
- Thermally conductive Compounds
- Food grade Compounds
- Detectable Compounds
- Tribologically optimized Compounds



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