Ultramid®

Delivering Durability, Strength, and Versatility

BASF We create chemistry

BASF Ultramid® Polyamide 6 (PA6) and Polyamide 66 (PA66) are renowned for their excellent mechanical properties, thermal resistance, and broad range of applications. These materials are engineered to meet the demands of today's advanced manufacturing industries.

Ultramid® Characteristics

- High Strength and rigidity
- Very good impact strength
- Excellent electrical properties
- Outstanding resistance to chemicals
- Dimensional Stability
- Low tendency to creep
- Exceptional sliding friction properties
- Consistent processability

Ultramid®	Polyamide	Chemical Structure	melting point [°c]
Ultramid® A	66	basis hexamethylene diamine, adipic acid	260
Ultramid® B	6	polycaprolactam – $nH(CH_2)_5CO$	220
Ultramid® S Balance	610	basis hexamethylene diamine, sebacic acid	222
Ultramid® T	6T/6	copolymer of caprolactam hexamethylene diamine and terephthalic acid	295
Ultramid® Advanced	PPA	polyphthalamide (PPA) molding compound	300-320

Ultramid® Grades & Properties

The Ultramid® range comprises the following groups of products:

Ultramid® A	• Hardness • Rigidity	• Abrasion resistance • Thermostability
Ultramid® B	• Good damping characteristics • High impact resistance • Ease of Processing	• High shock resistance even in dry state and low temperatures
Ultramid® S Balance	• Resistant to chemicals • Low moisture absorption	• High stress crack resistance • Hydrolysis resistant
Ultramid® T	• High melting point • Dimensional stability • High chemical resistance	• Constant mechanical properties across a wide range of different applications.
Ultramid® Advanced	• Resistant to chemicals • Low moisture absorption	• Stiffness and strength • Property retention at elevated temperatures
Ultramid® C,D	• This is the name given to copolyamides made from PA6 or PA66 monomers and further components. They exhibit different properties according to their composition.	

Solutions from Bamberger Amco Polymers

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- Decades of **technical and sales experience**
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- We have **the strength of a global distributor** with local resources

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