

ULTRADUR®

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plastics

BASF
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VERSATILITY IN MATERIAL AND APPLICATION

Ultradur® is BASF's brand name for its line of partially crystalline, thermoplastic, saturated polyesters derived from polybutylene terephthalate (PBT). They are employed as materials for high-quality technical components in many industry sectors.

BASF'S ULTRADUR® SHOWS ITS STRENGTHS WHEREVER HIGH-QUALITY AND ABOVE ALL HEAVY-DUTY PARTS ARE REQUIRED – FOR EXAMPLE IN THE AUTOMOTIVE INDUSTRY, IN THE ELECTRICS AND ELECTRONIC SECTORS.

CHARACTERISTICS

BASF's Ultradur® shows its strengths wherever high-quality and above all heavy-duty parts are required – for example in the automotive industry, in the electrics and electronic sectors. The range of applications which benefit from these properties of Ultradur® in both industry and everyday life is vast. Characteristics and properties found across Ultradur® product lines include:

- High rigidity and strength
- Very good dimensional stability under heat
- Low water absorption
- Good resistance to many chemicals
- Exceptional resistance to weathering
- Excellent heat aging behavior

Appliances

Ultradur® grades for appliances can offer flame retardant and electronic qualities. Their high toughness, good mechanical performance and chemical resistance are ideal in this market. In addition, polyamides can be made transparent and translucent, and have glossy and scratch resistant properties.

Applications include:

- Vacuum cleaners
- Washing machines
- Coffee machines
- Appliance housing
- Refrigerators
- Dishwashers
- Mixers
- Blenders
- HVAC



Automotive

When it comes to the development of challenging components and materials for the automotive market, BASF has been a globally reliable and accepted partner for the automotive industry for decades. Ultradur® provide long-lasting components that show outstanding electrical and mechanical properties that show high dimensional stability under heat.

Typical applications include:

- Sensors
- Control units
- Motors and actuators
- High-voltage connectors
- eMobility
- Lighting systems
- Mirror parts
- Roofs



Electronics and Electric

When it comes to thermoplastics in electronics and electric markets, there is increasing demand for smaller components that are flame retardant and deliver better performance. Ultradur® grades possess excellent electrical properties along with good mechanical characteristics that exhibit high heat resistance.

Typical applications include:

- Circuit breakers
- Switchgears
- Plug connectors in household appliances
- Terminal blocks
- Power semiconductor modules
- Safety switch housing
- Motor circuit breaker



[Learn more at nexeoplastics.com/basf/ultradur](https://nexeoplastics.com/basf/ultradur) or [contact us](#) to request a free sample.

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