# PBT ULTRADUR B 4520

BASF

Reference catalog 2026 - Upgraded Template

## Resin Overview (Upgraded Template)

PBT · 聚对苯二甲酸丁二酯 (Upgraded)

## This Grade

| | |
|---|---|
| **Manufacturer** | BASF |
| **Category** | PBT · 聚对苯二甲酸丁二酯 (Upgraded) |
| **Typical Use** | Reference grade for 聚对苯二甲酸丁二酯 (Upgraded) |

## Key Properties (8 metrics)

| | |
|---|---|
| **Density** | 1.31 g/cm3 |
| **MVR (250°C/2.16 kg)** | 25 cm3/10min |
| **Melting Point (DSC)** | 228 °C |
| **Tensile Strength at Break** | 55 MPa |
| **Tensile Modulus** | 2500 MPa |
| **Elongation at Break** | 30% |
| **HDT (1.8 MPa)** | 65 °C |
| **Continuous Use Temperature** | 140 °C |

## Key Features

- Good electrical insulation
- High heat resistance for SMT
- Good chemical resistance
- Fast cycle time

## Processing Conditions

| | |
|---|---|
| **Melt Temperature** | 240-275 °C |
| **Mold Temperature** | 60-100 °C |

| | |
|---|---|
| **Drying** | 4 h @ 120 °C in desiccant dryer |
| **Processing Methods** | Injection molding |

## Typical Applications

- Electrical connectors
- Automotive sensors
- Industrial switches
- Appliance housings

## Regulatory & Compliance

- RoHS compliant
- REACH registered
- FDA food contact grades available

> Data from public manufacturer catalogs. Verify before procurement.

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