PBT VALOX 420SEO

SABIC

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PBT · 聚对苯二甲酸丁二酯 (Upgraded)

This Grade

Manufacturer	SABIC
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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