PBT

Valox® 310SEO

SABIC

Position #108 • Jinsutong Reference Catalog 2026

Resin Overview

PBT · General, Impact Modified. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	PBT · General, Impact Modified
Typical Use	General purpose impact modified PBT

Key Properties

Density	1.31 g/cm³
MVR (250°C/2.16 kg)	15 cm³/10min
Tensile Strength at Yield	55 MPa
Tensile Modulus	2200 MPa
Elongation at Break	50%
Notched Izod Impact (23°C)	15 kJ/m²
HDT (1.8 MPa)	70 °C
Vicat Softening Point	170 °C

Key Features

- Impact modified for tough parts
- Good flow for complex parts
- General purpose PBT
- SABIC quality

Processing Conditions

Melt Temperature	240-270 °C

Mold Temperature	60-90 °C
Drying	4 h @ 120 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- General purpose injection
- Snap-fit assemblies
- Consumer goods
- Office equipment

Regulatory & Compliance

- FDA 21 CFR 177.1660 (food contact grades available)
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong · +86 138 1603 7020 · 13816037020@139.com

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