PBT

Valox® 553 FR

SABIC

Position #108 • Jinsutong Reference Catalog 2026

Resin Overview

PBT · 30% 玻纤,FR,V-0. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	PBT · 30% 玻纤,FR,V-0
Typical Use	FR PBT,适合电气和汽车

Key Properties

密度	1.58 g/cm³
流不体积率	10 cm³/10min
断裂展长强度	130 MPa
展长模量	9000 MPa
断裂伸长率	2%
热变形温度(1.8 MPa)	200 °C
UL 94 阻燃等级	V-0 @ 0.75mm
连续使用温度	140 °C

Key Features

- FR V-0 阻燃
- 30% 玻纤高刚
- 140°C 连续高耗
- SABIC 品质

Processing Conditions

流不温度	250-270 °C

模具温度	60-100 °C
干燥	4 h @ 120 °C in desiccant dryer
加工方式	Injection molding

Typical Applications

- FR 电气外壳
- 汽车传感器
- 电动工具外壳
- IT 设备部件

Regulatory & Compliance

- UL 94 V-0 认证
- RoHS 合规

> ⚠ All data sourced from public manufacturer catalogs.

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