

VINPOL™ PBT38

Polybutylene Terephthalate Resin

MVR: 29 cm³/10 min

Natural Color

VINPOL PBT38 is a PBT for injection molding applications.

Resin Property	Typical Value	Units	Test Method
Melt Volume Rate, 250°C/2.16 kg	50	cm ³ /10 min	ISO 1133
Density	1.307	g/cm ³	ISO 1183
Moisture	0.09	%	ISO 62
Mold Shrinkage, Parallel	0.9-1.5	%	Supplier Method
Mold Shrinkage, Normal	1.1-1.7	%	Supplier Method
Tensile Stress at Break	54	MPa	ISO 527-1/-2
Nominal Strain at Break	90	%	ISO 527-1/-2
Tensile Modulus, 5mm/min	2,400	MPa	ISO 527-1/-2
Flexural Strength	80	MPa	ISO 178
Flexural Modulus	2,100	MPa	ISO 178
Notched Charpy Impact, 23 °C	5.4	kJ/m ²	ISO 179/1eA
Melting Temperature	223	°C	DSC
Flammability	HB	-	UL94

Pre-drying recommendations: 2 hrs at 140 °C, 4 hrs at 120 °C, or 6 hrs at 100 °C; Processing moisture content ≤ 0.04%. Recommended processing conditions: 230-260 °C barrel temperatures, 50-70°C mold temperature, 600-1000 kg/cm² injection pressure.

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