

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	29	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.

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.