

SABIC Innovative Plastics Valox® VSR4150 PBT (Asia Pacific)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-VSR4150-PBT-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D 792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D 570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
	0.0080 - 0.010 cm/cm @Thickness 6.40 mm	0.0080 - 0.010 in/in @Thickness 0.252 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	87.0 MPa	12600 psi	SABIC - Japan Method
Elongation at Break	5.0 %	5.0 %	SABIC - Japan Method
Flexural Strength	129 MPa	18700 psi	ASTM D 790
Flexural Modulus	5.29 GPa	767 ksi	ASTM D 790
Izod Impact, Notched	0.590 J/cm @Temperature 23.0 °C	1.11 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 µm/m-°C @Temperature -30.0 - 30.0 °C	22.2 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	192 °C @Thickness 3.20 mm	378 °F @Thickness 0.126 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C @Thickness 3.20 mm	410 °F @Thickness 0.126 in	unannealed; ASTM D 648
Flammability, UL94	V-0	V-0	UL 94

Thermal Properties	Metric @ Thickness 0.750 mm	English @ Thickness 0.0295 in	Comments
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