

SABIC Innovative Plastics Valox® VIC4350 PBT (Asia Pacific)

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-VIC4350-PBT-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	SABIC Method
	0.0070 - 0.0090 cm/cm @Thickness 6.40 mm	0.0070 - 0.0090 in/in @Thickness 0.252 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	106 MPa	15400 psi	SABIC - Japan Method
Elongation at Break	5.0 %	5.0 %	SABIC - Japan Method
Flexural Strength	169 MPa	24500 psi	ASTM D790
Flexural Modulus	8.33 GPa	1210 ksi	ASTM D790
Izod Impact, Notched	1.37 J/cm	2.57 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Åµm/m-Å°C @Temperature -30.0 - 30.0 Å°C	16.7 Åµin/in-Å°F @Temperature -22.0 - 86.0 Å°F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	206 Å°C @Thickness 3.20 mm	403 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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