

SABIC Innovative Plastics Valox® VC130 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-VC130-PBT-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 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	0.0010 - 0.0020 cm/cm @Thickness 3.20 mm	0.0010 - 0.0020 in/in @Thickness 0.126 in	SABIC Method
	0.0060 - 0.0070 cm/cm @Thickness 6.40 mm	0.0060 - 0.0070 in/in @Thickness 0.252 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	166 MPa	24100 psi	SABIC - Japan Method
Elongation at Break	3.0 %	3.0 %	SABIC - Japan Method
Flexural Strength	238 MPa	34500 psi	ASTM D 790
Flexural Modulus	17.46 GPa	2532 ksi	ASTM D 790
Izod Impact, Notched	0.760 J/cm @Temperature 23.0 Â°C	1.42 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	27.8 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	205 Â°C @Thickness 3.20 mm	401 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Flammability, UL94	V-0 @Thickness 1.55 mm	V-0 @Thickness 0.0610 in	UL 94

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