

SABIC Innovative Plastics Valox® VC108 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-VC108-PBT-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 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	98.0 MPa	14200 psi	SABIC - Japan Method
Elongation at Break	3.0 %	3.0 %	SABIC - Japan Method
Flexural Strength	148 MPa	21500 psi	ASTM D 790
Flexural Modulus	5.98 GPa	867 ksi	ASTM D 790
Izod Impact, Notched	0.390 J/cm @Temperature 23.0 °C	0.731 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C @Temperature -30.0 - 30.0 °C	44.4 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	199 °C @Thickness 3.20 mm	390 °F @Thickness 0.126 in	unannealed; ASTM D 648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+8 - 1.00e+12 ohm	1.00e+8 - 1.00e+12 ohm	ASTM D 257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China