

SABIC Innovative Plastics Valox® SHF4340 PBT

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

Material Notes:

20% GF Super High Flow PBT

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-SHF4340-PBT.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183
Moisture Absorption	0.0300 %	0.0300 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.15 %	0.15 %	ISO 62
Melt Index of Compound	40 g/10 min @Load 2.16 kg, Temperature 250 ^o C	40 g/10 min @Load 4.76 lb, Temperature 482 ^o F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	5 mm/min; ISO 527
Tensile Strength, Yield	110 MPa	16000 psi	5 mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527
Elongation at Yield	3.0 %	3.0 %	5 mm/min; ISO 527
Tensile Modulus	6.70 GPa	972 ksi	1 mm/min; ISO 527
Flexural Yield Strength	145 MPa	21000 psi	2 mm/min; ISO 178
Flexural Modulus	5.60 GPa	812 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
	8.00 kJ/m ² @Temperature -30.0 ^o C	3.81 ft-lb/in ² @Temperature -22.0 ^o F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	38.0 kJ/m ²	18.1 ft-lb/in ²	80*10*4; ISO 180/1U
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
	40.0 μ m/m- ^o C	22.2 μ in/in- ^o F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @Temperature -40.0 - 40.0 Â°C	English @Temperature -40.0 - 104 Â°F	ISO 11359-2 Comments
CTE, linear, Transverse to Flow	100 Âµm/m-Â°C	55.6 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Vicat Softening Point	204 Â°C	399 Â°F	Rate B/50; ISO 306
	204 Â°C	399 Â°F	Rate B/120; ISO 306

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