

SABIC Innovative Plastics Valox® V8280SF PBT+PET

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

Material Notes:

High Modulus, PBT+PET, 40% Glass Reinforced, Mold Release, Super High Flow

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-V8280SF-PBTPET.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	ASTM D792
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183
Melt Flow	45 g/10 min	45 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 265 °C	@Load 4.76 lb, Temperature 509 °F	
Melt Index of Compound	30 g/10 min	30 g/10 min	MVR [cm ³ /10 min]; ISO 1133
	@Load 2.16 kg, Temperature 265 °C	@Load 4.76 lb, Temperature 509 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	Type I, 5 mm/min; ASTM D638
	135 MPa	19600 psi	
Tensile Strength, Yield	90.0 MPa	13100 psi	Type I, 5 mm/min; ASTM D638
	135 MPa	19600 psi	
Elongation at Break	90 %	90 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	12.0 GPa	1740 ksi	5 mm/min; ASTM D638
	13.5 GPa	1960 ksi	
Flexural Yield Strength	190 MPa	27600 psi	1.3 mm/min, 50 mm span; ASTM D790
	190 MPa	27600 psi	
Flexural Modulus	12.0 GPa	1740 ksi	1.3 mm/min, 50 mm span; ASTM D790
	12.0 GPa	1740 ksi	
Izod Impact, Notched	0.780 J/cm	1.46 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	210 Â°C @Thickness 3.20 mm	410 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	200 Â°C	392 Â°F	Rate B/120; ISO 306

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