

Samsung Cheil Industries Infino[®] AR-6508 PBT/PET, Glass Filled

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

Material Notes:

Good Weatherability Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-AR-6508-PBTPET-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 g/cc	1.75 g/cc	ASTM D792
Melt Flow	9.5 g/10 min @Load 2.16 kg, Temperature 250 Å°C	9.5 g/10 min @Load 4.76 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	142 MPa	20600 psi	5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	5 mm/min; ASTM D638
Flexural Strength	216 MPa	31300 psi	2.8 mm/min; ASTM D790
Flexural Modulus	13.7 GPa	1990 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.883 J/cm @Thickness 6.35 mm	1.65 ft-lb/in @Thickness 0.250 in	ASTM D256
	1.08 J/cm @Thickness 3.17 mm	2.02 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	6.37 J/cm @Thickness 3.17 mm, Temperature 23.0 Å°C	11.9 ft-lb/in @Thickness 0.125 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 Å°C @Thickness 6.40 mm	401 Å°F @Thickness 0.252 in	ASTM D648

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