

SABIC Innovative Plastics LNP Thermocomp ZF- 1006 BK8-950 PPE+PS

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

Material Notes:

LNP* Thermocomp* ZF-1006 BK8-950 is a compound based on PPE+PS Blend resin containing Glass Fiber. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-ZF-1006-BK8-950-PPEPS.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	108 MPa	15700 psi	ASTM D 638
Elongation at Break	1.6 %	1.6 %	ASTM D 638
Tensile Modulus	9.87 GPa	1430 ksi	50 mm/min; ASTM D 638
Flexural Strength	165 MPa	23900 psi	ASTM D 790
Flexural Modulus	8.90 GPa	1290 ksi	ASTM D 790
Izod Impact, Notched	1.17 J/cm @Temperature 23.0 Â°C	2.19 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	5.28 J/cm @Temperature 23.0 Â°C	9.89 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 Â°C @Thickness 3.20 mm	275 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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