

Fiberfil® J-68/20/E/SD/HM Polypropylene Copolymer, 20% Glass Fiber Reinforced, Chemically coupled, with static dissipation

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Information provided by FIBERFIL Engineered Plastics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fiberfil-J-6820ESDHM-Polypropylene-Copolymer-20-Glass-Fiber-Reinforced-Chemically-coupled-with-static-dissipation.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.020 %	0.020 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	
Melt Flow	12 g/10 min	12 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	42.0 MPa	6090 psi	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Tensile Modulus	2.69 GPa	390 ksi	ASTM D638
Flexural Strength	56.0 MPa	8120 psi	ASTM D790
Flexural Modulus	2.65 GPa	384 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 Â°C	276 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	129 Â°C	265 Â°F	ASTM D648

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