

Fiberfil® J-61/10 Polypropylene Copolymer, 10% Glass Fiber Reinforced

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-6110-Polypropylene-Copolymer-10-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D792
Water Absorption	0.010 %	0.010 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	
Melt Flow	13 g/10 min	13 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Tensile Modulus	2.07 GPa	300 ksi	ASTM D638
Flexural Strength	51.7 MPa	7500 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 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)	152 Â°C	305 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	135 Â°C	275 Â°F	ASTM D648

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