

Fiberfil® J-60/15/MI/20 Polypropylene Homopolymer, 35% Glass/mica 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-6015MI20-Polypropylene-Homopolymer-35-Glassmica-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Water Absorption	0.040 %	0.040 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.020 - 0.030 cm/cm @Thickness 3.17 mm	0.020 - 0.030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.0 MPa	5950 psi	ISO 527
Elongation at Yield	2.5 %	2.5 %	ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Flexural Modulus	5.00 GPa	725 ksi	ISO 178
Izod Impact, Notched (ISO)	3.20 kJ/m ² @Thickness 3.17 mm	1.52 ft-lb/in ² @Thickness 0.125 in	ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	154 Â°C	310 Â°F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	146 Â°C	295 Â°F	ISO 75

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	199 - 210 Â°C	390 - 410 Â°F	
Middle Barrel Temperature	204 - 227 Â°C	400 - 440 Â°F	
Front Barrel Temperature	182 - 199 Â°C	360 - 390 Â°F	
Nozzle Temperature	182 - 193 Â°C	360 - 380 Â°F	
Melt Temperature	199 - 232 Â°C	390 - 450 Â°F	

Processing Properties	Metric	English	Comments
Mold Temperature	32.2 - 71.1 Å°C	90 - 160 Å°F	
Drying Temperature	76.7 Å°C	170 Å°F	Drying not normally required
Dry Time	2 hour	2 hour	Drying not normally required
Moisture Content	<= 0.20 %	<= 0.20 %	recommended for molding
Back Pressure	0.000 - 0.689 MPa	0.000 - 100 psi	

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