

Fiberfil® J-60/15/UV/HS Polypropylene Homopolymer, 15% Glass Reinforced, Heat Stabilized, UV Stabilized

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-6015UVHS-Polypropylene-Homopolymer-15-Glass-Reinforced-Heat-Stabilized-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	
Melt Flow	8.0 g/10 min	8.0 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100 - 110	100 - 110	ASTM D785
Tensile Strength, Yield	62.1 MPa	9000 psi	ASTM D638
Elongation at Yield	3.5 %	3.5 %	ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	ASTM D638
Flexural Strength	65.0 MPa	9430 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 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)	149 Â°C	300 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	138 Â°C	280 Â°F	ASTM D648

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