

Fiberfil® J-60/10/CC/30/E NATL Polypropylene Homopolymer, 10% FiberGlass and 30% Calcium Carbonate Reinforced, Chemically coupled

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-6010CC30E-NATL-Polypropylene-Homopolymer-10-FiberGlass-and-30-Calcium-Carbonate-Reinforced-Chemically-coupled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Melt Flow	7.0 g/10 min	7.0 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Flexural Strength	65.0 MPa	9430 psi	ISO 178
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180/1A

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	
Mold Temperature	32.2 - 71.1 Â°C	90.0 - 160 Â°F	
Drying Temperature	76.7 Â°C	170 Â°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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