

Fiberfil® PP-60/CC/30 Polypropylene Homopolymer, 30% Calcium Carbonate

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-PP-60CC30-Polypropylene-Homopolymer-30-Calcium-Carbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Water Absorption	0.010 %	0.010 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	
	0.011 cm/cm	0.011 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 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	95	95	ASTM D785
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Elongation at Yield	40 %	40 %	ASTM D638
Tensile Modulus	2.62 GPa	380 ksi	ASTM D638
Flexural Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	2.45 GPa	355 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.267 J/cm	0.500 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)	121 Â°C	250 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 Â°C	165 Â°F	ASTM D648

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