

Fiberfil® PP-60/TC/20/FD Polypropylene Homopolymer, 20% Talc Filled, FDA compliant

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-60TC20FD-Polypropylene-Homopolymer-20-Talc-Filled-FDA-compliant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.012 cm/cm	0.012 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	
Melt Flow	10 g/10 min	10 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90 - 95	90 - 95	ASTM D785
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Tensile Modulus	2.55 GPa	370 ksi	ASTM D638
Flexural Strength	48.3 MPa	7000 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 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)	132 Â°C	270 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 Â°C	180 Â°F	ASTM D648

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