

Fiberfil® PP-61/TC/20 Polypropylene Copolymer, 20% Talc

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-61TC20-Polypropylene-Copolymer-20-Talc.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.020 %	0.020 %	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	15 - 20 g/10 min	15 - 20 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80 - 90	80 - 90	ASTM D785
Tensile Strength, Yield	23.4 MPa	3400 psi	ASTM D638
Elongation at Yield	25 %	25 %	ASTM D638
Tensile Modulus	1.90 GPa	275 ksi	ASTM D638
Flexural Strength	33.8 MPa	4900 psi	ASTM D790
Flexural Modulus	1.70 GPa	246 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 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)	73.9 Å°C	165 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.6 Å°C	150 Å°F	ASTM D648

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