

Fiberfil® J-60/15/MI/20

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® J-60/15/MI/20 is a polypropylene homopolymer (PP Homopoly) material, which contains a filler of 35% glass/mica. This product is available in North America. Fiberfil® The main characteristics of J-60/15/MI/20 are: homopolymer.

General Information			
Filler / Reinforcement	Glass/Mica, 35% filler by weight		
Features	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.0 - 3.0	%	ASTM D955
Water Absorption (24 hr)	0.040	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	41.0	MPa	ISO 527-2
Tensile Strain (Yield)	2.5	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹	3.2	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	154	°C	ISO 75-2/B
1.8 MPa, not annealed	146	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	199 - 210	°C	
Middle Temperature	204 - 227	°C	
Front Temperature	182 - 199	°C	
Nozzle Temperature	182 - 193	°C	
Processing (Melt) Temp	199 - 232	°C	
Mold Temperature	32.2 - 71.1	°C	
Injection Rate	Slow-Moderate		
Back Pressure	0.00 - 0.689	MPa	
Injection instructions			
Screw speed: Medium			

NOTE

1. 1/8 in (3.18 mm)

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Recommended distributors for this material

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