

Fiberfil® J-60/GB/20

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® J-60/GB/20 is a polypropylene homopolymer (PP Homopoly) material containing 20% glass beads. This product is available in North America. Fiberfil® The main characteristics of J-60/GB/20 are: homopolymer.

General Information			
Filler / Reinforcement	Glass beads, 20% filler by weight		
Features	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0 - 12	g/10 min	ASTM D1238
Molding Shrinkage - Flow (6.35 mm)	0.90 - 1.1	%	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100 - 105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1550	MPa	ASTM D638
Tensile Strength (23°C)	29.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	4.0	%	ASTM D638
Flexural Modulus - Tangent (23°C)	1500	MPa	ASTM D790
Flexural Strength (23°C)	37.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	105	°C	ASTM D648
1.8 MPa, not annealed	79.4	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	71.1	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	193 - 210	°C	
Middle Temperature	204 - 221	°C	
Front Temperature	199 - 216	°C	
Nozzle Temperature	204 - 221	°C	
Processing (Melt) Temp	204 - 227	°C	
Mold Temperature	26.7 - 54.4	°C	

Injection Rate	Slow-Moderate	
Back Pressure	0.172 - 0.345	MPa
Injection instructions		
Screw speed: Medium		

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Recommended distributors for this material

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