

# Fiberfil® J-60/10/FR

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

## Message:

Fiberfil® J-60/10/FR is a polypropylene homopolymer (PP Homopoly) material, and the filler is 10% glass fiber reinforced material. This product is available in North America.

Fiberfil® The main features of J-60/10/FR are:

flame retardant/rated flame

Flame Retardant

Homopolymer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Homopolymer Flame retardancy		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
3.18 mm	0.40	%	ASTM D955
6.35 mm	0.50	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100 - 110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4140	MPa	ASTM D638
Tensile Strength (23°C)	55.2	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	3.0	%	ASTM D638
Flexural Modulus - Tangent (23°C)	3450	MPa	ASTM D790
Flexural Strength (23°C)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	143	°C	ASTM D648
1.8 MPa, not annealed	138	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	Test Method

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	Moderate	
Back Pressure	0.00 - 0.689	MPa

#### Injection instructions

Screw speed: Medium

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#### Recommended distributors for this material

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