Fiberfil® J-60/20/E4

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® J-60/20/E4 is a Polypropylene Homopolymer (PP Homopolymer) material filled with 20% glass fiber. It is available in North America.
Important attributes of Fiberfil® J-60/20/E4 are:
Chemically Coupled
Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled Homopolymer		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
3.18 mm	0.30	%	
6.35 mm	0.40	%	
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	100 to 110		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	4140	MPa	ASTM D638
Tensile Strength (23°C)	68.9	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	3.5	%	ASTM D638
Flexural Modulus - Tangent (23°C)	3790	MPa	ASTM D790
Flexural Strength (23°C)	93.1	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	157	°C	
1.8 MPa, Unannealed	149	°C	

Recommended distributors for this material

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