

Fiberfil® J-60/20/E/NS

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® J-60/20/E/NS is a polypropylene homopolymer (PP Homopoly) material, which contains a 20% glass fiber reinforced material. This product is available in North America.

Fiberfil® The main features of J-60/20/E/NS are:

Chemical coupling

Homopolymer

Fiberfil® Typical application fields of J-60/20/E/NS are: water pipes/pipes/drinking water

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Agency Ratings	NSF Not Rated		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
3.18 mm	0.30	%	ASTM D955
6.35 mm	0.40	%	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)	65.5	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	3.5	%	ASTM D638
Flexural Modulus - Secant (23°C)	3720	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, not annealed	157	°C	ASTM D648
1.8 MPa, not annealed	152	°C	ASTM D648
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 - 193	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

