

Fiberfil® J-69/20/E

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® J-69/20/E is a polypropylene homopolymer (PP Homopoly) material, and the filler is 20% glass fiber reinforced material. This product is available in North America.

Fiberfil® The main features of J-69/20/E are:

Chemical coupling

Homopolymer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	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)	105 - 110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5170	MPa	ASTM D638
Tensile Strength (23°C)	89.6	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	2.5	%	ASTM D638
Flexural Modulus - Tangent (23°C)	4270	MPa	ASTM D790
Flexural Strength (23°C)	101	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	160	°C	ASTM D648
1.8 MPa, not annealed	154	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	204 - 221	°C	
Middle Temperature	216 - 232	°C	
Front Temperature	204 - 227	°C	

Nozzle Temperature	204 - 221	°C
Processing (Melt) Temp	210 - 232	°C
Mold Temperature	37.8 - 65.6	°C
Injection Rate	Slow	
Back Pressure	0.172 - 0.345	MPa

Injection instructions

Screw speed: Slow to 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

