

Fiberfil® J-69/40/E

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® J-69/40/E is a polypropylene homopolymer (PP Homopoly) material, and the filler is 40% glass fiber reinforced material. This product is available in North America.

Fiberfil® The main features of J-69/40/E are:

Chemical coupling

Homopolymer

Fiberfil® The typical application field of J-69/40/E is: automobile industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	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	0.20	%	ASTM D955
6.35 mm	0.30	%	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)	8620	MPa	ASTM D638
Tensile Strength (23°C)	114	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	2.0	%	ASTM D638
Flexural Modulus - Tangent (23°C)	7930	MPa	ASTM D790
Flexural Strength (23°C)	148	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	96	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

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Recommended distributors for this material

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