

Fiberfil® M-2149

Polypropylene Homopolymer
Fiberfil® Engineered Plastics Inc.

Message:
Fiberfil® M-2149 is a polypropylene homopolymer (PP Homopoly) material, and its filler is 30% glass fiber reinforced material. This product is available in North America. Fiberfil® The main characteristics of the M-2149 are: homopolymer.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	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		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5860	MPa	ASTM D638
Tensile Strength (23°C)	82.7	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	3.0	%	ASTM D638
Flexural Modulus - Tangent (23°C)	5170	MPa	ASTM D790
Flexural Strength (23°C)	107	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	157	°C	ASTM D648
1.8 MPa, not annealed	152	°C	ASTM D648
Additional Information			

Rockwell Hardness, ASTM D785, R-Scale: 100 to 110

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Recommended distributors for this material

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