

Fiberfil® M-1492 BK223

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® M-1492 BK223 is a polypropylene homopolymer (PP Homopoly) material, which contains glass fiber reinforcement and mica filler. This product is available in North America.

Fiberfil® The main features of M-1492 BK223 are:

Chemical coupling

Homopolymer

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Mica filler		
Features	Chemical coupling		
	Homopolymer		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	62.7	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)	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	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	143	°C	ASTM D648
Injection	Nominal Value	Unit	
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 - 210	°C	

Nozzle Temperature	182 - 204	°C
Processing (Melt) Temp	199 - 232	°C
Mold Temperature	26.7 - 48.9	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.345	MPa

Injection instructions

Screw speed: Medium

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Recommended distributors for this material

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