

## Fiberfil® M-1492 BK223 Polypropylene Homopolymer, Glass Reinforced, mica Filled, Chemically coupled

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Information provided by FIBERFIL Engineered Plastics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Fiberfil-M-1492-BK223-Polypropylene-Homopolymer-Glass-Reinforced-mica-Filled-Chemically-coupled.php](http://www.lookpolymers.com/polymer_Fiberfil-M-1492-BK223-Polypropylene-Homopolymer-Glass-Reinforced-mica-Filled-Chemically-coupled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	9.0 g/10 min	9.0 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.7 MPa	9100 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	157 Â°C	315 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 Â°C	290 Â°F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	199 - 210 Â°C	390 - 410 Â°F	
Middle Barrel Temperature	204 - 227 Â°C	400 - 440 Â°F	
Front Barrel Temperature	182 - 210 Â°C	360 - 410 Â°F	
Nozzle Temperature	182 - 204 Â°C	360 - 400 Â°F	

Melt Temperature Processing Properties	199 - 232 Â°C Metric	390 - 450 Â°F English	Comments
Mold Temperature	26.7 - 48.9 Â°C	80.0 - 120 Â°F	
Drying Temperature	76.7 Â°C	170 Â°F	Drying not normally required
Dry Time	2 hour	2 hour	Drying not normally required
Moisture Content	<= 0.20 %	<= 0.20 %	recommended for molding
Back Pressure	0.345 MPa	50.0 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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