

Technical Data Sheet

Fiberfil M-1492 BK223

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber	• Mica	
Features	• Chemically Coupled	• Homopolymer	
Appearance	• Black		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	9.0 g/10 min	9.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	9100 psi	62.7 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	3.0 %	3.0 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	750000 psi	5170 MPa	ASTM D790
Flexural Strength (73°F (23°C))	13500 psi	93.1 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 In (3.18 Mm)	1.0 ft·lb/in	53 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	315 °F	157 °C	
264 Psi (1.8 Mpa), Unannealed	290 °F	143 °C	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	170 °F	77 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.20 %	0.20 %
Rear Temperature	390 to 410 °F	199 to 210 °C
Middle Temperature	400 to 440 °F	204 to 227 °C
Front Temperature	360 to 410 °F	182 to 210 °C
Nozzle Temperature	360 to 400 °F	182 to 204 °C
Processing (Melt) Temp	390 to 450 °F	199 to 232 °C
Mold Temperature	80 to 120 °F	27 to 49 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	50.0 psi	0.345 MPa

Injection Notes

Screw speed: Medium

Notes

These are typical property values not to be construed as specification limits.