

Technical Data Sheet

Fiberfil M-2149

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Homopolymer		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.12	1.12 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	15 g/10 min	15 g/10 min	ASTM D1238
Water Absorption (24 Hr)	0.030 %	0.030 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	850000 psi	5860 MPa	ASTM D638
Tensile Strength (73°F (23°C))	12000 psi	82.7 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))	15500 psi	107 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)	1.4 ft·lb/in	75 J/m	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	105	105	ASTM D785
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	305 °F	152 °C	
Additional Information			
Rockwell Hardness, ASTM D785, R-Scale: 100 to 110			

Notes

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