

Technical Data Sheet

# Fiberfil J-60/40/E/EX

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight		
Features	• Chemically Coupled	• High Viscosity	• Homopolymer
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	2.0 g/10 min	2.0 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))	1.10E+6 psi	7580 MPa	ASTM D638
Tensile Strength (73°F (23°C))	13500 psi	93.1 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	3.0 %	3.0 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	1.00E+6 psi	6890 MPa	ASTM D790
Flexural Strength (73°F (23°C))	18900 psi	130 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)	1.6 ft·lb/in	85 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.