

Technical Data Sheet

Fiberfil J-61/20/E

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Chemically Coupled	• Copolymer	
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.03	1.03 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Water Absorption (24 Hr)	0.020 %	0.020 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	470000 psi	3240 MPa	ASTM D638
Tensile Strength (73°F (23°C))	7000 psi	48.3 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	450000 psi	3100 MPa	ASTM D790
Flexural Strength (73°F (23°C))	9500 psi	65.5 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)	1.8 ft·lb/in	96 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	285 °F	141 °C	
264 Psi (1.8 Mpa), Unannealed	275 °F	135 °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.