

Technical Data Sheet

**Fiberfil J-69/10/E**

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.980	0.978 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
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))	600000 psi	4140 MPa	ASTM D638
Tensile Strength (73°F (23°C))	9000 psi	62.1 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	3.5 %	3.5 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	450000 psi	3100 MPa	ASTM D790
Flexural Strength (73°F (23°C))	11500 psi	79.3 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)	0.90 ft-lb/in	48 J/m	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	105 to 110	105 to 110	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	310 °F	154 °C	
264 psi (1.8 MPa), Unannealed	290 °F	143 °C	

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Injection	Nominal Value (English)	Nominal Value (SI)
Rear Temperature	400 to 430 °F	204 to 221 °C
Middle Temperature	420 to 450 °F	216 to 232 °C
Front Temperature	400 to 440 °F	204 to 227 °C
Nozzle Temperature	400 to 430 °F	204 to 221 °C
Processing (Melt) Temp	410 to 450 °F	210 to 232 °C
Mold Temperature	100 to 150 °F	38 to 66 °C
Injection Rate	Slow	Slow
Back Pressure	25.0 to 50.0 psi	0.172 to 0.345 MPa

Injection Notes

Screw speed: Slow to Medium

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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