

Technical Data Sheet

**Fiberfil J-60/GB/20**

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Bead, 20% Filler by Weight
Features	• Homopolymer
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)	9.0 to 12 g/10 min	9.0 to 12 g/10 min	ASTM D1238
Water Absorption (24 hr)	0.010 %	0.010 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	225000 psi	1550 MPa	ASTM D638
Tensile Strength (73°F (23°C))	4200 psi	29.0 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	218000 psi	1500 MPa	ASTM D790
Flexural Strength (73°F (23°C))	5500 psi	37.9 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)	0.80 ft-lb/in	43 J/m	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	100 to 105	100 to 105	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	221 °F	105 °C	
264 psi (1.8 MPa), Unannealed	175 °F	79.4 °C	

Technical Data Sheet



Fiberfil J-60/GB/20

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 °F	71 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.20 %	0.20 %
Rear Temperature	380 to 410 °F	193 to 210 °C
Middle Temperature	400 to 430 °F	204 to 221 °C
Front Temperature	390 to 420 °F	199 to 216 °C
Nozzle Temperature	400 to 430 °F	204 to 221 °C
Processing (Melt) Temp	400 to 440 °F	204 to 227 °C
Mold Temperature	80 to 130 °F	27 to 54 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	25.0 to 50.0 psi	0.172 to 0.345 MPa

Injection Notes

Screw speed: 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/>.

© LyondellBasell Industries Holdings, B.V. 2024

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.

Page: 2 of 2
LyondellBasell

www.lyondellbasell.com
Publish Date: 2024-03-14