Technical Data Sheet

Fiberfil J-60/GB/20

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
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/cm³	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	

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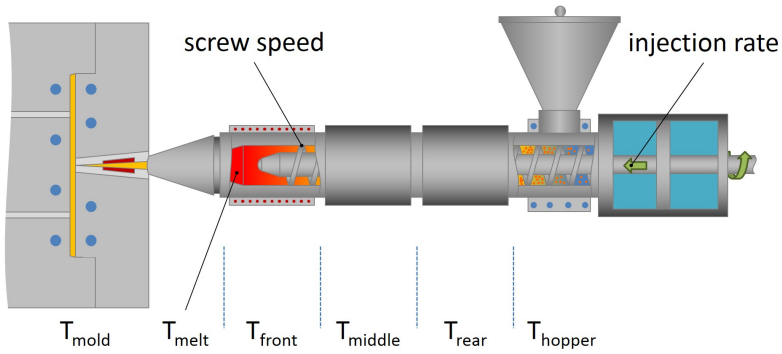

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 °F	71 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.20 %	0.20 %
Rear Temperature	380 to 410 °F	193 to 210 °C
Middle Temperature	400 to 430 °F	204 to 221 °C
Front Temperature	390 to 420 °F	199 to 216 °C
Nozzle Temperature	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.