Technical Data Sheet

Fiberfil J-60/15/MI/20

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mica, 35% Filler by Weight
Features	• Homopolymer
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.18	1.18 g/cm³	ASTM D792
Water Absorption (24 Hr)	0.040 %	0.040 %	ASTM D570
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield)	5950 psi	41.0 MPa	ISO 527-2
Tensile Strain (Yield)	2.5 %	2.5 %	ISO 527-2
Flexural Modulus	725000 psi	5000 MPa	ISO 178
Flexural Stress	8700 psi	60.0 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength [1]	1.5 ft·lb/in²	3.2 kJ/m²	ISO 180/1A
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	309 °F	154 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	295 °F	146 °C	ISO 75-2/A

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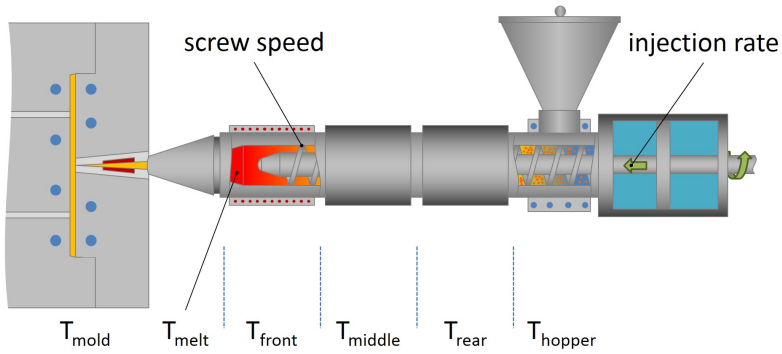

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	170 °F	77 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.20 %	0.20 %
Rear Temperature	390 to 410 °F	199 to 210 °C
Middle Temperature	400 to 440 °F	204 to 227 °C
Front Temperature	360 to 390 °F	182 to 199 °C
Nozzle Temperature	360 to 380 °F	182 to 193 °C
Processing (Melt) Temp	390 to 450 °F	199 to 232 °C
Mold Temperature	90 to 160 °F	32 to 71 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	0.00 to 100 psi	0.00 to 0.689 MPa
Injection Notes		
Screw speed: Medium		