Technical Data Sheet

Fiberfil M-2450

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General	
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm³	ASTM D792
Water Absorption (24 Hr)	0.020 %	0.020 %	ASTM D570
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	3800 psi	26.2 MPa	ASTM D638
Tensile Elongation (Yield, 73°f (23°c))	77 %	77 %	ASTM D638
Flexural Modulus - Tangent (73°f (23°c))	210000 psi	1450 MPa	ASTM D790
Flexural Strength (73°f (23°c))	5800 psi	40.0 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)	0.46 ft·lb/in	25 J/m	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	203 °F	95.0 °C	
264 Psi (1.8 Mpa), Unannealed	135 °F	57.2 °C	

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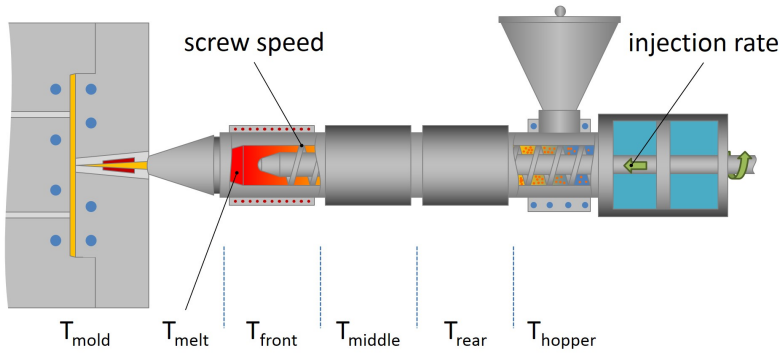

Injection	Nominal Value (English)	Nominal Value (SI)
Rear Temperature	390 to 410 °F	199 to 210 °C
Middle Temperature	400 to 440 °F	204 to 227 °C
Front Temperature	360 to 390 °F	182 to 199 °C
Nozzle Temperature	360 to 380 °F	182 to 193 °C
Processing (Melt) Temp	390 to 450 °F	199 to 232 °C
Mold Temperature	100 to 160 °F	38 to 71 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	50.0 psi	0.345 MPa

Injection Notes

Screw speed: Medium to Fast

Notes

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