

Technical Data Sheet

Fiberfil PP-60/VO

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Features	• Flame Retardant • Homopolymer		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	0.998 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	15 to 20 g/10 min	15 to 20 g/10 min	ASTM D1238
Water Absorption (24 Hr)	0.020 %	0.020 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	260000 psi	1790 MPa	ASTM D638
Tensile Strength (73°F (23°C))	5200 psi	35.9 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	250000 psi	1720 MPa	ASTM D790
Flexural Strength (73°F (23°C))	6500 psi	44.8 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	0.50 ft·lb/in	27 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	90 to 95	90 to 95	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed 264 Psi (1.8 Mpa), Unannealed	180 °F 160 °F	82.2 °C 71.1 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.030 In (0.75 Mm))	V-0	V-0	UL 94

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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	360 to 390 °F	182 to 199 °C
Middle Temperature	380 to 410 °F	193 to 210 °C
Front Temperature	370 to 400 °F	188 to 204 °C
Nozzle Temperature	360 to 380 °F	182 to 193 °C
Processing (Melt) Temp	380 to 420 °F	193 to 216 °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: Slow to Medium

Notes

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