Technical Data Sheet

Fiberfil PP-61/V2

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General		
Features	• Copolymer	• Flame Retardant
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.940	0.938 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	20 g/10 min	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))	190000 psi	1310 MPa	ASTM D638
Tensile Strength (73°f (23°c))	4000 psi	27.6 MPa	ASTM D638
Tensile Elongation (Yield, 73°f (23°c))	25 %	25 %	ASTM D638
Flexural Modulus - Tangent (73°f (23°c))	170000 psi	1170 MPa	ASTM D790
Flexural Strength (73°f (23°c))	4600 psi	31.7 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)	1.8 ft·lb/in	96 J/m	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Rockwell Hardness (R-scale)	85 to 90	85 to 90	ASTM D785
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	160 °F	71.1 °C	
264 Psi (1.8 Mpa), Unannealed	145 °F	62.8 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 In (1.5 Mm))	V-2	V-2	UL 94

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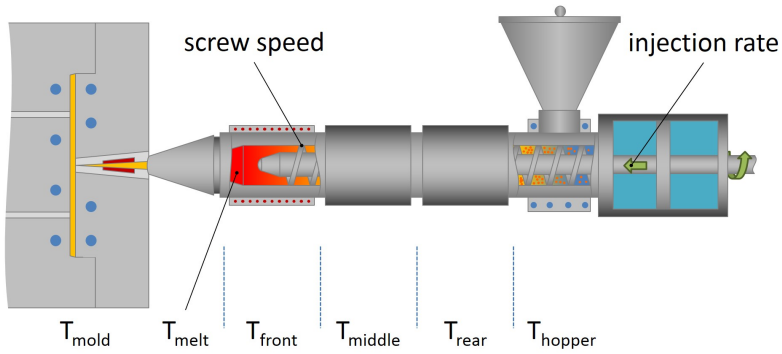

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	170 °F	77 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.20 %	0.20 %
Rear Temperature	360 to 390 °F	182 to 199 °C
Middle Temperature	380 to 410 °F	193 to 210 °C
Front Temperature	370 to 400 °F	188 to 204 °C
Nozzle Temperature	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.