Technical Data Sheet

Fiberfil PP-15/T/10/20

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Talc, 22% Filler by Weight
Features	• Homopolymer
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	15 g/10 min	15 g/10 min	ASTM D1238
Water Absorption (24 Hr)	0.030 %	0.030 %	ASTM D570
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus (73°f (23°c))	370000 psi	2550 MPa	ASTM D638
Tensile Strength (73°f (23°c))	5000 psi	34.5 MPa	ASTM D638
Tensile Elongation (Yield, 73°f (23°c))	20 %	20 %	ASTM D638
Flexural Modulus - Tangent (73°f (23°c))	340000 psi	2340 MPa	ASTM D790
Flexural Strength (73°f (23°c))	8700 psi	60.0 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)	0.50 ft·lb/in	27 J/m	
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			ASTM D648
66 Psi (0.45 Mpa), Unannealed	210 °F	98.9 °C	
264 Psi (1.8 Mpa), Unannealed	200 °F	93.3 °C	

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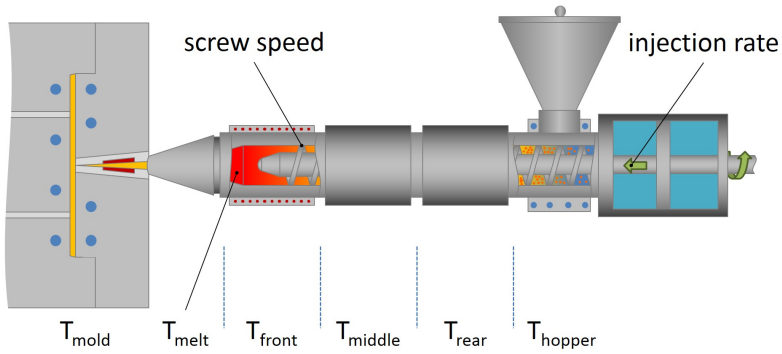

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	170 °F	77 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.20 %	0.20 %
Rear Temperature	390 to 410 °F	199 to 210 °C
Middle Temperature	400 to 440 °F	204 to 227 °C
Front Temperature	360 to 390 °F	182 to 199 °C
Nozzle Temperature	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	Moderate-Fast	Moderate-Fast
Back Pressure	0.00 to 100 psi	0.00 to 0.689 MPa
Injection Notes		
Screw speed: Medium to Fast		

Notes

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