

Technical Data Sheet

# Fiberfil PP-61/TC/20/UV

Polypropylene Copolymer  
LyondellBasell Industries  
Engineering Plastics

General	
Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• UV Stabilizer
Features	• Copolymer
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm <sup>3</sup>	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))	310000 psi	2140 MPa	ASTM D638
Tensile Strength (73°F (23°C))	3800 psi	26.2 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	30 %	30 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	290000 psi	2000 MPa	ASTM D790
Flexural Strength (73°F (23°C))	5400 psi	37.2 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)	1.0 ft-lb/in	53 J/m	ASTM D256

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	80 to 90	80 to 90	ASTM D785

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	170 °F	76.7 °C	ASTM D648
264 Psi (1.8 Mpa), Unannealed	160 °F	71.1 °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	Slow-Moderate	Slow-Moderate
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.