

**Technical Data Sheet**  
**Fiberfil® PP-61/TC/20**  
 Polypropylene Copolymer  
 Engineering Plastics



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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 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
Molding Shrinkage - Flow			ASTM D955
0.125 in (3.18 mm)	0.010 in/in	1.0 %	
0.250 in (6.35 mm)	0.012 in/in	1.2 %	
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))	275000 psi	1900 MPa	ASTM D638
Tensile Strength (73°F (23°C))	3400 psi	23.4 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	246000 psi	1700 MPa	ASTM D790
Flexural Strength (73°F (23°C))	4900 psi	33.8 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)	80 to 90	80 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	165 °F	73.9 °C	
264 psi (1.8 MPa), Unannealed	150 °F	65.6 °C	

**Notes**

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