Technical Data Sheet

Fiberfil® PP-60/TC/20/FD

Polypropylene Homopolymer
Engineering Plastics

General	
Filler / Reinforcement	• Talc, 20% Filler by Weight
Features	• Homopolymer
Agency Ratings	• FDA Unspecified Rating
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)	10 g/10 min	10 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)	0.030 %	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))	7000 psi	48.3 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	270 °F	132 °C	
264 psi (1.8 MPa), Unannealed	180 °F	82.2 °C	

Notes

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