Technical Data Sheet

Fiberfil® PP-60/TC/20/VO/ND

Polypropylene Homopolymer
Engineering Plastics

General		
Filler / Reinforcement	• Talc, 20% Filler by Weight	
Features	• Flame Retardant	• Homopolymer
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.50	1.50 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16 g/10 min	16 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))	550000 psi	3790 MPa	ASTM D638
Tensile Strength (73°F (23°C))	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation (Yield, 73°F (23°C))	10 %	10 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	520000 psi	3590 MPa	ASTM D790
Flexural Strength (73°F (23°C))	6400 psi	44.1 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)	0.25 ft·lb/in	13 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	200 °F	93.3 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 in (1.5 mm))	V-0	V-0	UL 94

Notes

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