

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.