

**Technical Data Sheet**  
**Fiberfil® PP-62/MI/25**  
 Polypropylene Copolymer  
 Engineering Plastics



**General**

Filler / Reinforcement	• Mica, 25% Filler by Weight
Features	• Copolymer
Forms	• Pellets

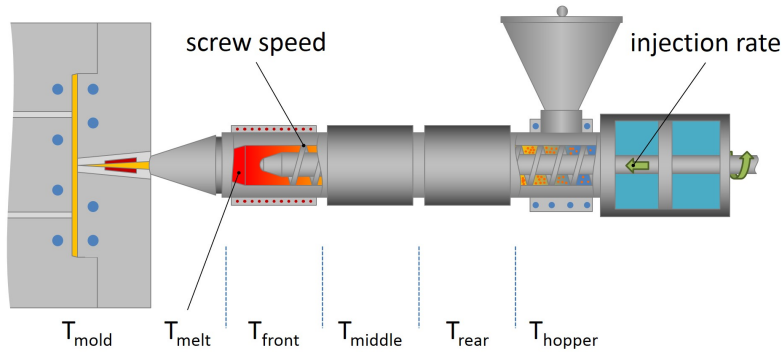
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
0.125 in (3.18 mm)	0.011 to 0.014 in/in	1.1 to 1.4 %	
0.250 in (6.35 mm)	0.013 to 0.016 in/in	1.3 to 1.6 %	
Water Absorption (24 hr)	0.10 %	0.10 %	ASTM D570

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	508000 psi	3500 MPa	ASTM D638
Tensile Strength (73°F (23°C))	4350 psi	30.0 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	6.0 %	6.0 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	464000 psi	3200 MPa	ASTM D790
Flexural Strength (73°F (23°C))	6000 psi	41.4 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)	1.2 ft·lb/in	64 J/m	
Unnotched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	3.9 ft·lb/in	210 J/m	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed	167 °F	75.0 °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.