

Fiberfil® PP-62/MI/25

Polypropylene Copolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® PP-62/MI/25 is a polypropylene copolymer (PP Copoly) material, which contains 25% mica filler. This product is available in North America. Fiberfil® The main characteristics of PP-62/MI/25 are: copolymer.

General Information			
Filler / Reinforcement	Mica filler, 25% filler by weight		
Features	Copolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
3.18 mm	1.1 - 1.4	%	ASTM D955
6.35 mm	1.3 - 1.6	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3500	MPa	ASTM D638
Tensile Strength (23°C)	30.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus - Tangent (23°C)	3200	MPa	ASTM D790
Flexural Strength (23°C)	41.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	199 - 210	°C	
Middle Temperature	204 - 227	°C	
Front Temperature	182 - 199	°C	
Nozzle Temperature	182 - 193	°C	
Processing (Melt) Temp	199 - 232	°C	
Mold Temperature	32.2 - 71.1	°C	

Injection Rate	Slow-Moderate	
Back Pressure	0.00 - 0.689	MPa
Injection instructions		
Screw speed: Medium to Fast		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

