Fiberfil® PP-62/CC/20/UV

Polypropylene Copolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil®PP-62/CC/20/UV is a polypropylene copolymer (PP Copoly) material, which contains 20% calcium carbonate filler. This product is available in North America.
Fiberfil®The main characteristics of PP-62/CC/20/UV are:
Copolymer
Good UV resistance
UV stability

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Additive	UV stabilizer		
Features	Copolymer Good UV resistance		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.07	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 - 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
3.18 mm	1.2 - 1.4	%	ASTM D955
6.35 mm	1.4 - 1.6	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	75 - 85		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1650	MPa	ASTM D638
Tensile Strength (23°C)	23.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus - Tangent (23°C)	1520	MPa	ASTM D790
Flexural Strength (23°C)	29.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	102	°C	ASTM D648
1.8 MPa, not annealed	60.0	°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	Moderate-Fast	
Back Pressure	0.00 - 0.689	MPa

Injection instructions

Screw speed: Medium to Fast

Recommended distributors for this material

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