

Fiberfil® PP-61/VO/NH

Polypropylene Copolymer

Fiberfil® Engineered Plastics Inc.

Message:

Fiberfil® PP-61/VO/NH is a polypropylene copolymer material. This product is available in North America.

Fiberfil® The main features of PP-61/VO/NH are:

flame retardant/rated flame

Flame Retardant

Copolymer

Halogen-free

General Information			
Features	Copolymer		
	Halogen-free		
	Flame retardancy		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 - 14	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
3.18 mm	1.3 - 1.7	%	ASTM D955
6.35 mm	1.8 - 2.2	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80 - 90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1720	MPa	ASTM D638
Tensile Strength (23°C)	19.3	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	13	%	ASTM D638
Flexural Modulus - Tangent (23°C)	1520	MPa	ASTM D790
Flexural Strength (23°C)	22.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	71.1	°C	ASTM D648
1.8 MPa, not annealed	62.8	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	76.7	°C
Drying Time	2.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	182 - 199	°C
Middle Temperature	193 - 210	°C
Front Temperature	188 - 204	°C
Nozzle Temperature	182 - 193	°C
Processing (Melt) Temp	193 - 216	°C
Mold Temperature	32.2 - 71.1	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 - 0.689	MPa

Injection instructions

Screw speed: Slow to Medium

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