

Fiberfil® PP-60/FR Polypropylene Homopolymer, Flame Retardant, UL94 V0

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Information provided by FIBERFIL Engineered Plastics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fiberfil-PP-60FR-Polypropylene-Homopolymer-Flame-Retardant-UL94-V0.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Water Absorption	0.020 %	0.020 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	
Melt Flow	10 - 15 g/10 min	10 - 15 g/10 min	230/2.16 (typical); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90 - 95	90 - 95	ASTM D785
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638
Flexural Strength	37.9 MPa	5500 psi	ASTM D790
Flexural Modulus	2.90 GPa	420 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.9 Å°C	210 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	93.3 Å°C	200 Å°F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	177 - 210 Â°C	350 - 410 Â°F	
Middle Barrel Temperature	193 - 227 Â°C	380 - 440 Â°F	
Front Barrel Temperature	188 - 221 Â°C	370 - 430 Â°F	
Nozzle Temperature	188 - 221 Â°C	370 - 430 Â°F	
Melt Temperature	193 - 216 Â°C	380 - 420 Â°F	
Mold Temperature	32.2 - 54.4 Â°C	90.0 - 130 Â°F	
Drying Temperature	76.7 Â°C	170 Â°F	Drying not normally required
Dry Time	2 hour	2 hour	Drying not normally required
Moisture Content	<= 0.20 %	<= 0.20 %	recommended for molding
Back Pressure	0.345 MPa	50.0 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China