

RTP Company RTP 1099 X 117568 C Glass Fiber - Flame Retardant - Halogen Free

Category : Polymer , Thermoplastic

Material Notes:

Preliminary Data Sheet

Order this product through the following link:

http://www.lookpolymers.com/polymer_RTP-Company-RTP-1099-X-117568-C-Glass-Fiber-Flame-Retardant-Halogen-Free.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D 792
Filler Content	30 %	30 %	Primary Additive
Linear Mold Shrinkage	0.0030 - 0.0035 cm/cm @Thickness 3.17 mm	0.0030 - 0.0035 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.1 MPa	13500 psi	ASTM D 638
Elongation at Break	1.5 - 2.0 %	1.5 - 2.0 %	ASTM D 638
Tensile Modulus	11.7 GPa	1700 ksi	ASTM D 638
Flexural Strength	145 MPa	21000 psi	ASTM D 790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D 790
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm	1.40 ft-lb/in @Thickness 0.125 in	D 256
Izod Impact, Unnotched	4.81 J/cm @Thickness 3.17 mm	9.00 ft-lb/in @Thickness 0.125 in	ASTM D4812

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0625 in	
	V-0 @Thickness 3.17 mm	V-0 @Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 271 °C	460 - 520 °F	

Processing Properties	Metric ⁰⁷ °C	English ²⁵ °F	Comments
Drying Temperature	121 °C	250 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.030 %	0.030 %	
Dew Point	-28.9 °C	-20.0 °F	
Injection Pressure	68.9 - 103 MPa	10000 - 15000 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