

RTP 1400.5 L MG 15

Polyethersulfone

RTP Company

Message:

Glass Fiber - Lubricated - UL94 V-0

General Information			
UL YellowCard	E84658-251508		
Filler / Reinforcement	Glass fiber reinforced material, 5.0% filler by weight		
	Glass fiber with embossing, 15% filler by weight		
Additive	Lubricant		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Moisture Content	0.040	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4480	MPa	ASTM D638
Tensile Strength	72.4	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 - 4.0	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	207	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Dielectric Strength ¹ (in Oil)	15	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	149	°C
Drying Time	6.0	hr
Dew Point	-31.7	°C
Processing (Melt) Temp	343 - 377	°C
Mold Temperature	135 - 177	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

NOTE

1. Method A (short time)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

