

RTP 100 FR HF

Polypropylene
RTP Company

Message:
High Flow - Flame Retardant - UL94 V-0

General Information			
UL YellowCard	E84658-251536		
Features	Flame Retardant		
	High Flow		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15 to 18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.4 to 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1240	MPa	ASTM D638
Tensile Strength	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	> 150	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	41.4	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)	1300	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	102	°C	
1.8 MPa, Unannealed	57.2	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	

Drying Time	2.0	hr
Processing (Melt) Temp	191 to 227	°C
Mold Temperature	32.2 to 65.6	°C
Injection Pressure	68.9 to 103	MPa

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

