

RTP 150 LF

Polypropylene
RTP Company

Message:

Low Flow - Unreinforced - Flame Retardant - UL94 V-0

General Information			
UL YellowCard	E84658-251555		
Features	Flame Retardant		
	Low Flow		
RoHS Compliance	Contact Manufacturer		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50 to 1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.8	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ASTM D638
Tensile Strength	22.8	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	37.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	113	°C	
1.8 MPa, Unannealed	65.6	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Dielectric Strength ¹ (in Oil)	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.70		ASTM D150
Dissipation Factor (1 MHz)	2.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Extrusion	Nominal Value	Unit	

Drying Temperature	79.4	°C
Drying Time	2.0	hr
Melt Temperature	191 to 232	°C
Die Temperature	32.2 to 65.6	°C

NOTE

1.
- Method A (Short-Time)

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