

RTP 154

Polypropylene
RTP Company

Message:
Flame Retardant - UL94 V-0

General Information			
UL YellowCard	E84658-251560		
Features	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.5 to 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1590	MPa	ASTM D638
Tensile Strength	29.6	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	38.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1200	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	51.7	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹ (in Oil)	31	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		
0.200 mm	VTM-0		
Oxygen Index	29	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	191 to 232	°C	

Mold Temperature	32.2 to 65.6	°C
Injection Pressure	68.9 to 103	MPa
NOTE		

1. Method A (Short-Time)

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