

RTP 154 HF HI

Polypropylene Copolymer

RTP Company

Message:

Copolymer - High Flow - Flame Retardant

General Information			
Features	Copolymer		
	Flame Retardant		
	High Flow		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	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	1170	MPa	ASTM D638
Tensile Strength	17.9	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Flexural Strength	22.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	590	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1400	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	40.6	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm, ** Values per RTP Company testing.	V-0		
0.200 mm, ** Values per RTP Company testing.	VTM-0		
Oxygen Index	27	%	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

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