

RTP 152 HI HF

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	0.930	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18 to 22	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	827	MPa	ASTM D638
Tensile Strength	13.8	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	621	MPa	ASTM D790
Flexural Strength	17.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	640	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		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 (0.800 mm, ** Values per RTP Company testing.)	V-2		UL 94
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	

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