

RTP 400 HI FR A

General Purpose Polystyrene

RTP Company

Message:

High Impact - Flame Retardant

General Information			
Additive	Flame retardancy		
Features	Impact resistance, high		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	26.2	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	46.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1000	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.5 mm, ** Values per RTP Company testing.	V-0	UL 94	
3.0 mm, ** Values per RTP Company testing.	5VA	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	210 - 249	°C	
Mold Temperature	38 - 66	°C	
Injection Pressure	68.9 - 103	MPa	

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