

RTP 200 E

Polyamide

RTP Company

Message:

RTP 200 E is a polyamide material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding. The main characteristics of RTP 200 E are: flame retardant/rated flame.

General Information			
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.45	%	ASTM D570
Moisture Content	0.10	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	128		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	96.5	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	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, not annealed	127	°C	ASTM D648
1.8 MPa, not annealed	123	°C	ASTM D648
CLTE - Flow	6.1E-5	cm/cm/°C	ASTM E831
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-34.4	°C	
Processing (Melt) Temp	271 - 299	°C	
Mold Temperature	65.6 - 98.9	°C	
Injection Pressure	68.9 - 103	MPa	

Injection instructions

Desiccant Type Dryer Required.

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Recommended distributors for this material

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