

# RTP 1200-80A

Thermoplastic Elastomer

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'  
The data for this material has not been recently verified.  
Please contact RTP Company for current information prior to specifying this grade.

General Information			
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 10 seconds	80		ASTM D2240
Shaw D	42		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break, 3.20 mm)	27.6	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	1100	%	ASTM D412
Tear Strength <sup>3</sup>	96.3	kN/m	ASTM D624
Additional Information			
Moisture Content: <0.02%			
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	185 - 218	°C	
Mold Temperature	37.8 - 60.0	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	C mold, 500 mm/min		
2.	Mouth die C, 500 mm/min		
3.	C mould		

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