

# RTP 2800B-50A

Thermoplastic Vulcanizate

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.  
50 Shore A

General Information			
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.9 - 2.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	52		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break, 3.20 mm)	3.79	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	600	%	ASTM D412
Tear Strength <sup>3</sup>	17.5	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	No Break		ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Additional Information			
Moisture Content: <0.08%			
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	193 - 210	°C	
Mold Temperature	10.0 - 79.4	°C	
Injection Pressure	68.9 - 103	MPa	
NOTE			
1.	C mold, 500 mm/min		
2.	Mouth die C, 500 mm/min		
3.	C mould		

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