

RTP 6001-50A

Thermoplastic Elastomer

RTP Company

Message:

RTP 6001-50A is a Thermoplastic Elastomer (TPE) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

General Information			
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain, 3.18 mm)	0.896	MPa	ASTM D412
Tensile Strength ² (Yield, 3.20 mm)	5.86	MPa	ASTM D412
Tensile Elongation ³ (Break)	930	%	ASTM D412
Tear Strength ⁴	22.8	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	15	%	
70°C, 22 hr	65	%	
Injection	Nominal Value	Unit	
Drying Temperature	51.7	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	182 to 238	°C	
Mold Temperature	10.0 to 48.9	°C	
NOTE			
1.	Die C, 510 mm/min		
2.	Die C, 500 mm/min		
3.	Die C, 500 mm/min		
4.	Die C		
5.	Type 2		

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Recommended distributors for this material

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