

RTP 6042-50A MD

Thermoplastic Elastomer

RTP Company

Message:

ISO 10993 Tested

General Information			
Agency Ratings	ISO 10993		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 - 4.5	%	ASTM D955
Moisture Content		%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain, 3.18mm ¹	1.17	MPa	ASTM D412
100% strain, 3.18mm ²	1.52	MPa	ASTM D412
300% strain, 3.18mm ³	3.31	MPa	ASTM D412
Tensile Strength ⁴ (Break, 3.20 mm)	7.58	MPa	ASTM D412
Tensile Elongation ⁵ (Break)	500	%	ASTM D412
Tear Strength ⁶	26.3	kN/m	ASTM D624
Compression Set ⁷			ASTM D395B
23°C, 22 hr	20	%	ASTM D395B
70°C, 22 hr	75	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 - 4.0	hr	
Dew Point	< -17.8	°C	
Processing (Melt) Temp	193 - 238	°C	
Mold Temperature	21.1 - 48.9	°C	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	C mold, 510mm/min		
2.	Mouth die C, 510mm/min		
3.	C mold, 510mm/min		
4.	C mold, 500 mm/min		

5.	Mouth die C, 500 mm/min
6.	C mould
7.	Type 2

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Recommended distributors for this material

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