

RTP 6042-50A

Thermoplastic Elastomer

RTP Company

Message:

PC, ABS bondable

General Information			
RoHS Compliance		Contact manufacturer	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
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 ¹ (100% Strain, 3.18 mm)	1.52	MPa	ASTM D412
Tensile Strength ² (Yield, 3.20 mm)	7.58	MPa	ASTM D412
Tensile Elongation ³ (Break)	430	%	ASTM D412
Tear Strength ⁴	26.3	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	20	%	ASTM D395B
70°C, 22 hr	75	%	ASTM D395B
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm, ** Values per RTP Company testing.)	HB		UL 94
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.	Mouth die C, 510mm/min		
2.	C mold, 500 mm/min		
3.	Mouth die C, 500 mm/min		
4.	C mould		
5.	Type 2		

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Recommended distributors for this material

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