

RTP 6042-70A 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	1.17	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.0 - 2.0	%	ASTM D955
Moisture Content		%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain, 3.18mm ¹	2.28	MPa	ASTM D412
100% strain, 3.18mm ²	2.90	MPa	ASTM D412
300% strain, 3.18mm ³	5.38	MPa	ASTM D412
Tensile Strength ⁴ (Break, 3.20 mm)	13.8	MPa	ASTM D412
Tensile Elongation ⁵ (Break)	500	%	ASTM D412
Tear Strength ⁶	46.4	kN/m	ASTM D624
Compression Set ⁷			ASTM D395B
23°C, 22 hr	25	%	ASTM D395B
70°C, 22 hr	80	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 - 4.0	hr	
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

