

RTP 6001-70A Z

Thermoplastic Elastomer

RTP Company

Message:

FDA Compliant Ingredients

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
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0 - 5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.2 - 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain, 3.18 mm)	1.86	MPa	ASTM D412
Tensile Strength ² (Yield, 3.20 mm)	6.21	MPa	ASTM D412
Tensile Elongation ³ (Break)	860	%	ASTM D412
Tear Strength ⁴	31.5	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	25	%	ASTM D395B
70°C, 22 hr	70	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	51.7	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	182 - 238	°C	
Mold Temperature	10.0 - 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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