

RTP 6003-45A MD NATURAL

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	0.980	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	3.0 - 6.0	%	ASTM D955
Moisture Content		%	
Peel Strength ¹			
PC/PBT	3.5	kN/m	
PC/PMMA	4.2	kN/m	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	44		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ² (Break, 3.20 mm)	6.89	MPa	ASTM D412
Tensile Elongation ³ (Break)	1100	%	ASTM D412
Tear Strength ⁴	24.5	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	16	%	ASTM D395B
70°C, 22 hr	66	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°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.	90°, 20 in/min, RTP 55, Interface Failure		
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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