

RTP 6003-75A 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	1.02	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.3	%	ASTM D955
Moisture Content		%	
Peel Strength ¹			
PC/PBT	> 6.1	kN/m	
PC/PMMA	> 6.1	kN/m	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain, 3.18mm ²	3.10	MPa	ASTM D412
100% strain, 3.18mm ³	3.45	MPa	ASTM D412
300% strain, 3.18mm ⁴	4.83	MPa	ASTM D412
Tensile Strength ⁵ (Break, 3.20 mm)	6.21	MPa	ASTM D412
Tensile Elongation ⁶ (Break)	850	%	ASTM D412
Tear Strength ⁷	43.8	kN/m	ASTM D624
Compression Set ⁸			ASTM D395B
23°C, 22 hr	23	%	ASTM D395B
70°C, 22 hr	65	%	ASTM D395B
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
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, Overmold Failure
2.	C mold, 510mm/min
3.	Mouth die C, 510mm/min
4.	C mold, 510mm/min
5.	C mold, 500 mm/min
6.	Mouth die C, 500 mm/min
7.	C mould
8.	Type 2

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