

RTP 6003-55A Z

Thermoplastic Elastomer

RTP Company

Message:

Bondable to PC/PMMA, PC/PBT

General Information			
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)	1.5 - 1.8	%	ASTM D955
Moisture Content		%	
Peel Strength ¹			
PC/PBT	5.4	kN/m	
PC/PMMA	5.8	kN/m	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm)	5.52	MPa	ASTM D412
Tensile Elongation ³ (Yield)	1000	%	ASTM D412
Tear Strength ⁴	30.6	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	19	%	ASTM D395B
70°C, 22 hr	65	%	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 Pressure	34.5 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	90°, 20 in/min, RTP 55, Interface Failure		
2.	C mold, 500 mm/min		
3.	C mold, 500 mm/min		
4.	C mould		
5.	Type 2		

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Recommended distributors for this material

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