

RTP 6003-55A

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	%	ASTM D955
Moisture Content	0.040	%	
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 Stress			ASTM D412
50% strain	1.59	MPa	ASTM D412
100% strain	1.90	MPa	ASTM D412
300% strain	3.10	MPa	ASTM D412
Tensile Strength (Yield)	4.83	MPa	ASTM D412
Tensile Elongation (Yield)	900	%	ASTM D412
Tear Strength ²	25.6	kN/m	ASTM D624
Compression Set ³			ASTM D395B
23°C, 22 hr	19	%	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 Pressure	34.5 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

NOTE	
1.	90°, 20 in/min, RTP 55, Interface Failure
2.	C mould
3.	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



WECHAT