

# RTP Compounds 6003-75A

## Thermoplastic Elastomer

### RTP Company

#### Product Description

Bondable to PC/PMMA, PC/PBT

#### General

RoHS Compliance • Contact Manufacturer  
 Processing Method • Injection Molding

Physical	Nominal Value Unit	Test Method
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Specific Gravity	1.02 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.3 %	ASTM D955

Films	Nominal Value Unit	Test Method
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Peel Strength <sup>2</sup>		ISO 813
PC/PBT	> 6.1 kN/m	
PC/PMMA	> 6.1 kN/m	

Elastomers	Nominal Value Unit	Test Method
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Tensile Stress		ASTM D412
50% Strain	3.10 MPa	
100% Strain	3.45 MPa	
300% Strain	4.83 MPa	
Tensile Strength (Yield)	6.21 MPa	ASTM D412
Tensile Elongation (Yield)	850 %	ASTM D412
Tear Strength <sup>3</sup>	43.8 kN/m	ASTM D624
Compression Set <sup>4</sup>		ASTM D395B
23°C, 22.0 hr	23 %	
70°C, 22.0 hr	65 %	

Hardness	Nominal Value Unit	Test Method
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Durometer Hardness (Shore A, 10 sec)	75	ASTM D2240
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Flammability	Nominal Value Unit	Test Method
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Flame Rating - UL		UL 94
1.50 mm, Values per RTP Company testing.	HB	

Injection	Nominal Value Unit
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Drying Temperature	76.7 °C
Drying Time	2.0 to 4.0 hr
Suggested Max Moisture	0.040 %
Processing (Melt) Temp	193 to 238 °C
Mold Temperature	21.1 to 48.9 °C
Injection Pressure	34.5 to 103 MPa

#### Injection Notes

Desiccant Type Dryer Required.

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 90°, 20 in/min, Failure Type R (Overmold Failure)

<sup>3</sup> Die C

<sup>4</sup> Type 2