

RTP 6002-45A

Thermoplastic Elastomer

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
Bondable to PC/ABS, PC, ABS - 45 Shore A

General Information			
RoHS Compliance	Contact manufacturer		
Forms	Particle		
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	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	1.03	MPa	ASTM D412
100% strain	1.38	MPa	ASTM D412
300% strain	2.90	MPa	ASTM D412
Tensile Strength (Yield)	8.27	MPa	ASTM D412
Tensile Elongation (Yield)	1100	%	ASTM D412
Tear Strength ¹	26.3	kN/m	ASTM D624
Compression Set ²			ASTM D395B
23°C, 22 hr	27	%	ASTM D395B
70°C, 22 hr	71	%	ASTM D395B
Additional Information			
Bondable to PC/ABS, PC, ABSMoisture Content: 0.04%Peel Strength, ISO 813, 90°, 20 in/min, ABS, Interface Failure: 20 pliPeel Strength, ISO 813, 90°, 20 in/min, PC, Interface Failure: 24 pliPeel Strength, ISO 813, 90°, 20 in/min, PC/ABS, Interface Failure: 27 pli			
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			

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| 1. | C mould |
| 2. | Type 2 |

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Recommended distributors for this material

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