

**RTP 6003-45A**

TPE

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.028</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>1.31</b>	MPa	ASTM D 412
Shore A Hardness	<b>45</b>	-	ASTM D 2240
Tear Strength	<b>21</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	<b>16</b>	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	<b>66</b>	%	ASTM D 395

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.59</b>	mm	-

Other properties	Value	Unit	Test Standard
Density	<b>960</b>	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	<b>0.04</b>	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>76.7</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>193 - 238</b>	°C	-
Mold temperature	<b>21.1 - 48.9</b>	°C	-
Injection pressure	<b>34.5 - 103</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific