

**RTP 1200 S-55D**

TPU

RTP Company

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.009</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Flexural Modulus	<b>172.4</b>	MPa	ASTM D 790
Modulus at 100% Elongation	<b>16.2</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>11.9</b>	MPa	ASTM D 412
Shore D Hardness	<b>58</b>	-	ASTM D 2240
Tear Strength	<b>173</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	<b>25</b>	%	ASTM D 395
Tensile Strength	<b>41.6</b>	MPa	ASTM D 412

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1220</b>	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	<b>0.02</b>	%	-

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>107</b>	°C	-
Pre-drying - Time	<b>6</b>	h	-
Melt temperature	<b>204 - 221</b>	°C	-
Mold temperature	<b>26.7 - 60</b>	°C	-
Injection pressure	<b>41.4 - 103</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific