

**RTP 1203 S-90A**

TPU-GF20

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>0.0025</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>551.6</b>	MPa	ASTM D 638
Tensile Strength	<b>44.8</b>	MPa	ASTM D 638
Flexural Modulus	<b>551.6</b>	MPa	ASTM D 790
Flexural Strength	<b>22.1</b>	MPa	ASTM D 790
Shore A Hardness	<b>90</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>694</b>	J/m	ASTM D 256

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1350</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>93.3</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>213 - 218</b>	°C	-
Mold temperature	<b>15.6 - 60</b>	°C	-
Injection pressure	<b>55.2 - 103</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific