

**RTP 1205 S-65D**

TPU-GF30

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>0.00125</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>3103</b>	MPa	ASTM D 638
Tensile Strength	<b>72.4</b>	MPa	ASTM D 638
Flexural Modulus	<b>2413</b>	MPa	ASTM D 790
Flexural Strength	<b>68.9</b>	MPa	ASTM D 790
Shore D Hardness	<b>75</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>400</b>	J/m	ASTM D 256

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

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1440</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 - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>204 - 221</b>	°C	-
Mold temperature	<b>26.7 - 60</b>	°C	-
Injection pressure	<b>34.5 - 103</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific