

**RTP 1400 R-5800**

PPSU

RTP Company

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>25</b>	g/10min	ASTM D 1238
Temperature	<b>365</b>	°C	-
Load	<b>5</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>2344</b>	MPa	ASTM D 638
Tensile Strength	<b>69.6</b>	MPa	ASTM D 638
Flexural Modulus	<b>2413</b>	MPa	ASTM D 790
Flexural Strength	<b>91</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>694</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>V-0</b>	-	UL 94
Thickness tested	<b>1.59</b>	mm	-
DTUL @ 264 psi	<b>209</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.37</b>	%	ASTM D 570
Density	<b>1290</b>	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	<b>0.04</b>	%	-

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>149</b>	°C	-
Pre-drying - Time	<b>6</b>	h	-
Melt temperature	<b>343 - 388</b>	°C	-
Mold temperature	<b>138 - 163</b>	°C	-
Injection pressure	<b>68.9 - 138</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific