

**RTP 150 HF**

PP

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>21</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.014</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	<b>1931</b>	MPa	ASTM D 638
Tensile Strength	<b>24.1</b>	MPa	ASTM D 638
Flexural Modulus	<b>1793</b>	MPa	ASTM D 790
Flexural Strength	<b>41.4</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>32</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.59</b>	mm	-
DTUL @ 66 psi	<b>113</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>65.6</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Dielectric Strength, Short Time	<b>19.7</b>	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	<b>0.002</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>2.7</b>	-	ASTM D 150
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Water Absorption, 24hr	<b>0.03</b>	%	ASTM D 570
Density	<b>1240</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>79.4</b>	°C	-
Pre-drying - Time	<b>2</b>	h	-
Melt temperature	<b>191 - 232</b>	°C	-
Mold temperature	<b>32.2 - 65.6</b>	°C	-
Injection pressure	<b>68.9 - 103</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Flame retardant