

**RTP 154 HI**

PP

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0175</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>965.3</b>	MPa	ASTM D 638
Tensile Strength	<b>17.2</b>	MPa	ASTM D 638
Flexural Modulus	<b>827.4</b>	MPa	ASTM D 790
Flexural Strength	<b>23.4</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>587</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>0.229</b>	mm	-
DTUL @ 264 psi	<b>43.3</b>	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.01</b>	%	ASTM D 570
Density	<b>1030</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

**Features**

Copolymer

**Special Characteristics**

Flame retardant, High impact or impact modified

**Regional Availability**

North America, Europe, Asia Pacific