

**PermaStat® 100 MD**

PP

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>0.017</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>689.5</b>	MPa	ASTM D 638
Tensile Strength	<b>20.7</b>	MPa	ASTM D 638
Flexural Modulus	<b>689.5</b>	MPa	ASTM D 790
Flexural Strength	<b>27.6</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>160</b>	J/m	ASTM D 256

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>9.9E11</b>	Ohm	ASTM D 257
Volume Resistivity	<b>9.9E10</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>920</b>	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	<b>0.1</b>	%	-

<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>171 - 204</b>	°C	-
Mold temperature	<b>32.2 - 65.6</b>	°C	-
Injection pressure	<b>48.3 - 75.8</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Anti-static