

**ESD A 100**

PP

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>1.25</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.0145</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>1034</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>24.1</b>	MPa	ASTM D 790

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	<b>9.9E11</b>	Ohm	ASTM D 257
Volume Resistivity	<b>9.9E9</b>	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	<b>970</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

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Anti-static