



**Product Data Sheet &  
General Processing Conditions**

**RTP 1399 X 115071 C  
Polyphenylene Sulfide (PPS)  
Glass Fiber  
Carbon Nanotube  
ESD Protection**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	30 %	30 %	
Specific Gravity	1.60	1.60	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0020 - 0.0030 in/in	0.20 - 0.30 %	D 955
<b>MECHANICAL</b>			
Tensile Strength	19000 psi	131 MPa	D 638
Tensile Elongation	1.0 %	1.0 %	D 638
Tensile Modulus	2.00 x 10 <sup>6</sup> psi	13790 MPa	D 638
Flexural Strength	30000 psi	207 MPa	D 790
Flexural Modulus	1.80 x 10 <sup>6</sup> psi	12411 MPa	D 790
<b>ELECTRICAL</b>			
Volume Resistivity	< 1E2 ohm.cm	< 1E2 ohm.cm	D 257
Surface Resistivity	1E3 - 1E4 ohm/sq	1E3 - 1E4 ohm/sq	D 257
Surface Resistance	1E2 - 1E3 ohm	1E2 - 1E3 ohm	ESD STM11.11
Static Decay	< 2.00 s	< 2.00 s	FTMS101C 4046.1

**PROPERTY NOTES**

Data herein is typical and not to be construed as specifications.  
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

**GENERAL PROCESSING FOR INJECTION MOLDING**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	585 - 625 °F	307 - 329 °C
Mold Temperature	275 - 350 °F	135 - 177 °C
Drying	6 hrs @ 300 °F	6 hrs @ 149 °C
Moisture Content	0.04 %	0.04 %