

**Product Texts**

PA66 with Nickel Plated Carbon Fiber.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>11900</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>111</b>	MPa	ASTM D 638
Elongation at Break	<b>1.43</b>	%	ASTM D 638
Flexural Modulus	<b>7830</b>	MPa	ASTM D 790
Flexural Strength	<b>199</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>53.4</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>320</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>250</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Volume Resistivity	<b>82</b>	Ohm*cm	ASTM D 257
<b>Other Standards<sup>S1</sup></b>			
Surface Resistivity	<b>38</b>	Ohm	ESD STM 11.11

S: These properties are reported by the producer according standards that are different to our defaults.

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1250</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>82.2</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Zone 1	<b>282</b>	°C	-
Zone 2	<b>288</b>	°C	-
Zone 3	<b>288</b>	°C	-
Nozzle temperature	<b>282</b>	°C	-
Screw speed	<b>170</b>	rpm	-
Injection speed	<b>50.8</b>	mm/s	-
Injection pressure	<b>3.1</b>	MPa	-
Back pressure	<b>3.03</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, Electrical and Electronical

**Delivery form**

Pellets

**Regional Availability**

North America

**Features**

EMI Attenuation/Shielding