

**4MID 9A22150**

PA66-GF50

4Plas

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.2</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.9</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>16500</b>	MPa	ISO 527
Stress at break	<b>210</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Izod impact strength, +23°C	<b>100</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>18</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	<b>15</b> <b>-30</b>	kJ/m <sup>2</sup> °C	ISO 180/1A -

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>262</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>255</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>260</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>255</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>HB</b> <b>1.6</b>	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	<b>HB</b> <b>3.2</b>	class mm	IEC 60695-11-10 -

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E13</b>	Ohm	IEC 62631-3-2
Comparative tracking index	<b>500</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1570</b>	kg/m <sup>3</sup>	ISO 1183
Moisture Content	<b>0.2</b>	%	-

**Characteristics****Regional Availability**

Europe