

**POLIMID A 50 GF**

PA66-GF50

Poliblend S.p.a.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.5</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>14500</b>	MPa	ISO 527
Yield stress	<b>220</b>	MPa	ISO 527
Yield strain	<b>2</b>	%	ISO 527
Stress at break	<b>220</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Izod impact strength, +23°C	<b>110</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>11.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>260</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
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E12</b>	Ohm*m	IEC 62631-3-1
Comparative tracking index	<b>600</b>	-	IEC 60112
<b>Other properties</b>			
Density	<b>1570</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Regional Availability**

Europe