

**Product Texts**

BERGAMID A700TM-YF, PA66 unreinforced  
 impact modified  
 very good impact strength

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2000 / 1200</b>	MPa	ISO 527
Yield stress	<b>50 / 40</b>	MPa	ISO 527
Yield strain	<b>6 / 40</b>	%	ISO 527
Charpy impact strength, +23°C	<b>N / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>N / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>25 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>4 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>70 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>200 / *</b>	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>3.3 / 3.6</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>160 / 600</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E13 / 1E10</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>* / 1E10</b>	Ohm	IEC 62631-3-2
Electric strength	<b>90 / 55</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>- / 600</b>	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>6.7 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>2.2 / *</b>	%	Sim. to ISO 62
Density	<b>1080 / -</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America,  
 Near East/Africa

**Other text information****Injection Molding****PREPROCESSING**

Max. Water Content 0,1%

Pre-Drying: 80°C 4 Hours

**PROCESSING**

Melt Temperature 280-300°C

Mould Temperature 40-80°C