

**Product Texts**

BERGAMID B70W25, PA6 unreinforced  
 general-purpose injection molding grades  
 impact modified

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	2900 / -	MPa	ISO 527
Stress at break	70 / -	MPa	ISO 527
Strain at break	4 / -	%	ISO 527
Charpy impact strength, +23°C	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	15 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	9 / -	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	65 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	170 / *	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	3.4 / -	-	IEC 62631-2-1
Dissipation factor, 1MHz	200 / -	E-4	IEC 62631-2-1
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	100 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1100 / -	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Pellets

**Regional Availability**

Europe

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

## PREPROCESSING

Max. Water Content 0,1%

Pre-drying: 80°C 4 Hours

## PROCESSING

Melt Temperature 250-270°C

Mould Temperature 40-80°C