

**Product Texts**

BERGAMID B700G50H, PA6 reinforced  
50% glass fibre, heat stabilized,  
UL-listing

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	15000 / -	MPa	ISO 527
Stress at break	220 / -	MPa	ISO 527
Strain at break	3 / -	%	ISO 527
Charpy impact strength, +23°C	100 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	90 / -	kJ/m <sup>2</sup>	ISO 179/1eU

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	216 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.7 / *	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	3	mm	-

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	4.2 / -	-	IEC 62631-2-1
Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
Electric strength	90 / -	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	24 / -	kV/mm	ASTM D 149

Other properties	dry / cond	Unit	Test Standard
Density	1550 / -	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific, Near East/Africa

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

## PREPROCESSING

Max. Water Content 0,1%

Pre-Drying: 80°C 4 Hours

## PROCESSING

Melt Temperature 270-290°C

Mould Temperature 80-90°C