

Product Texts

BERGAMID B700 UF, PA6 unreinforced,
 flame retardant,
 without halogene or red phosphorus
 UL-listing

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	1500 / -	MPa	ISO 527
Stress at break	55 / -	MPa	ISO 527
Strain at break	20 / -	%	ISO 527
Charpy impact strength, +23°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8.4 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.3 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	80 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190 / *	°C	ISO 75-1/-2

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	7 / -	-	IEC 62631-2-1
Volume resistivity	1E10 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	45 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	1180 / -	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Delivery form

Pellets

Regional Availability

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 250-270°C

Mould Temperature 40-80°C