

Product Texts

BERGAMID A700G20U-SO, PA66 reinforced
20% glass fibre, flame retardant based on red phosphorus,
UL-listing

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	7500 / -	MPa	ISO 527
Stress at break	135 / -	MPa	ISO 527
Strain at break	3 / -	%	ISO 527
Charpy notched impact strength, +23°C	7 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	250 / *	°C	ISO 75-1/-2

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.5 / -	-	IEC 62631-2-1
Dissipation factor, 1MHz	15 / -	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	80 / -	kV/mm	IEC 60243-1
Comparative tracking index	400 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	1340 / -	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

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 280-300°C

Mould Temperature 80-90°C