

Product Texts

BERGAMID AB70 MI20 UF, Copolymer PA66/PA6 reinforced,
20% minerals
flame retardant without halogens or red phosphorus

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2800 / 5500	MPa	ISO 527
Stress at break	50 / 70	MPa	ISO 527
Strain at break	4 / 2.5	%	ISO 527
Charpy impact strength, +23°C	70 / 55	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	60 / 50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	- / 4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	- / 3	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	243 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	85 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	5.6 / 3.7	-	IEC 62631-2-1
Dissipation factor, 1MHz	1600 / 150	E-4	IEC 62631-2-1
Volume resistivity	1E10 / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Comparative tracking index	500 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	6.1 / *	%	Sim. to ISO 62
Humidity absorption	2.1 / *	%	Sim. to ISO 62
Density	- / 1340	kg/m ³	ISO 1183

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	150 / *	cm ³ /g	ISO 307, 1157, 1628

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	270	°C	ISO 294
Injection Molding, mold temperature	60	°C	ISO 294

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Delivery form

Pellets

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