Badamid® AB70 GF60 H

(PA66+PA6)-GF60 Bada AG

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**20000 / 14000**	MPa	ISO 527
Stress at break	**225 / 155**	MPa	ISO 527
Strain at break	**2.1 / 2.4**	%	ISO 527
Charpy impact strength, +23°C	**100 / 90**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**16 / 19**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**240 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**250 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	**190 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13 / -**	Ohm*m	IEC 62631-3-1

Other properties	dry / cond	Unit	Test Standard
Water absorption	**4.9 / ***	%	Sim. to ISO 62
Humidity absorption	**1.2 / ***	%	Sim. to ISO 62
Density	**1710 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Processing humidity	**≤0.15**	%	-
Melt temperature	**280 - 300**	°C	-
Mold temperature	**80 - 90**	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa