

Badamid® A70 GF30 TF3 H S1

(PA66+PTFE)-GF30

Bada AG

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10300 / 9300	MPa	ISO 527
Stress at break	170 / 165	MPa	ISO 527
Strain at break	3 / 4	%	ISO 527
Charpy impact strength, +23°C	85 / 95	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	75 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	14 / 16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12 / 15	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	13 / 15	kJ/m ²	ISO 180/1A
Izod notched impact strength	10 / 12	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

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	250 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	250 / *	°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	0.8 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.7 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1470 / -	kg/m ³	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

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Features

Tribologic Grade

Regional Availability

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