



MATERIAL DATA SHEET

Badamid[®] A70 GF14 H TM-Z2

Bada Hispanaplast, S.A.

Type: PA66+14% Glassfibers+Impact modified+Heat stability

Properties	Units	Norm	Values
Mechanical properties		DIN-ISO	
Tensile strength	N/mm ²	53455-527	dry 118 sta. 82
Elongation at break	%	53455-527	dry ≤ 3 sta. ≤ 14
Tensile modulus	N/mm ²	53457-527	dry 5200 sta. 3300
Flexural strength	N/mm ²	53452-178	dry 172 sta. 114
Impact resistance -Charpy- (+ 23°C)	Kj/m ²	53453-179	dry 56 sta. 120
Notched impact resistance -Charpy- (+23°C)	Kj/m ²	53453-179	dry 8,5 sta. 22
Electrical properties			
Dielctric constant	-	IEC 60250	dry 3,8 sta. 7
Dissipation factor (1 MHz)	E-4	0303T21-IEC 243	dry 250 sta. 2400
Comparative tracking index	CTI... CTI...M	0303T1-IEC 112	CTI 550 CTI 550 M
Thermal properties			
Melting point	°C	DSC Method	260-265
Heat deflection temperature		53461-75	
HDT - Met. A (1,8 MPa)	°C		dry ≤200
HDT - Met. B (0,45 MPa)	°C		dry ≤205
General properties			
Density	g/cm ³	53461-1183	1,17±0,01
Viscosity (Viscosity number)	cm ³ /g	DIN ISO 307	130-170
Flammability	Class	UL94-IEC 707	HB

sta. = stabilized - stored a 23°C/50% relative humidity until equilibrium is reached

dry = freshly moulded

All values given in this technical data sheet are approximate and are intended as guidelines only. Variations in manufacturing conditions can cause these values to diverge from the ones supplied here. No legal responsibility can be derived from these values.