



MATERIAL DATA SHEET

Badamid[®] B70 GF30 TM-Z2

Bada Hispanaplast, S.A.

Type: PA6 + 30% Glass fibers + Impact modified

Properties	Units	Norm	Values
Mechanical properties		DIN-ISO	
Tensile strength	N/mm ²	53455-527	dry 145 sta. 105
Elongation at break	%	53455-527	dry ≥5 sta. ≥8,5
Tensile modulus	N/mm ²	53457-527	dry 8800 sta. 5250
Flexural strength	N/mm ²	53452-178	dry 210 sta. 115
Impact resistance -Charpy- (+ 23°C)	Kj/m ²	53453-179	96 115
Notched impact resistance -Charpy- (+23°C)	Kj/m ²	53453-179	dry 20 sta. 40
Electrical properties			
Dielectric constant	-	IEC 60250	dry 3,6 sta. 6,7
Dissipation factor (1 MHz)	E-4	0303T21-IEC 243	dry 210 sta. 2100
Comparative tracking index	CTI... CTI...M	0303T1-IEC 112	CTI 550 CTI 550 M
Thermal properties			
Melting point	°C	DSC Method	220
Heat deflection temperature		53461-75	
HDT - Met. A (1,8 MPa)	°C		dry ≤210
HDT - Met. B (0,45 MPa)	°C		dry ≤220
General properties			
Density	g/cm ³	53461-1183	1,33±0,02
Viscosity (Viscosity number)	cm ³ /g	DIN ISO 307	125-165
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.