



MATERIAL DATA SHEET

Badamid[®] B70 TM-Z1 LS-A UV

Bada Hispanaplast, S.A.

Type: PA6+Impact modified+Laser marking+UV stability
(dark marking on light surface)

Properties	Units	Norm	Values
Mechanical properties		DIN-ISO	
Tensile strength	N/mm ²	53455-527	dry 64 sta. 42
Elongation at break	%	53455-527	dry 50-100 sta. ≤ 200
Tensile modulus	N/mm ²	53457-527	dry 2350 sta. 1000
Flexural strength	N/mm ²	53452-178	dry -- sta. --
Impact resistance -Charpy- (+ 23°C)	Kj/m ²	53453-179	dry no break sta. no break
Notched impact resistance -Charpy- (+23°C)	Kj/m ²	53453-179	dry 11 sta. 35
Electrical properties			
Dielctric strength	kV/mm	IEC 60243-1	dry 35 sta. --
Dissipation factor (1 MHz)	E-4	0303T21-IEC 243	dry -- sta. --
Comparative tracking index	CTI... CTI...M	0303T1-IEC 112	CTI 600 CTI 600 M
Thermal properties			
Melting point	°C	DSC Method	215-225
Heat deflection temperature		53461-75	
HDT - Met. A (1,8 MPa)	°C		dry ≤60
HDT - Met. B (0,45 MPa)	°C		dry ≤170
General properties			
Density	g/cm ³	53461-1183	1,10±0,01
Viscosity (Viscosity number)	cm ³ /g	DIN ISO 307	125-165
Flammability (1,6mm)	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.