



## MATERIAL DATA SHEET

# Badamid<sup>®</sup> B70 TM-Z1 LS-C UV

Bada Hispanaplast, S.A.

Type: PA6+Impact modified+Laser marking+UV stability

Properties	Units	Norm	Values
<b>Mechanical properties</b>		<b>DIN-ISO</b>	
Tensile strength	N/mm <sup>2</sup>	53455-527	dry 64 sta. 42
Elongation at break	%	53455-527	dry 50-100 sta. ≤ 200
Tensile modulus	N/mm <sup>2</sup>	53457-527	dry 2350 sta. 1000
Flexural strength	N/mm <sup>2</sup>	53452-178	dry -- sta. --
Impact resistance -Charpy- (+ 23°C)	Kj/m <sup>2</sup>	53453-179	dry no break sta. no break
Notched impact resistance -Charpy- (+23°C)	Kj/m <sup>2</sup>	53453-179	dry 11 sta. 35
<b>Electrical properties</b>			
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
<b>Thermal properties</b>			
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
<b>General properties</b>			
Density	g/cm <sup>3</sup>	53461-1183	1,11±0,02
Viscosity (Viscosity number)	cm <sup>3</sup> /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.*