



## MATERIAL DATA SHEET

# Badamid<sup>®</sup> B70 FR HF Black S1

Bada Hispanaplast, S.A.

Type: PA6+Flame retardant + halogen and phosphorous free

Properties	Units	Norm	Values
<b>Mechanical properties</b>		<b>DIN-ISO</b>	
Tensile strength	N/mm <sup>2</sup>	53455-527	dry 80 sta. 50
Elongation at break	%	53455-527	dry ≤ 20 sta. ≤ 30
Tensile modulus	N/mm <sup>2</sup>	53457-527	dry 3500 sta. 2000
Flexural strength	N/mm <sup>2</sup>	53452-178	dry 125 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 6 sta. --
<b>Electrical properties</b>			
Dielectric constant	-	IEC 60250	dry 3,7 sta. 7,0
Dissipation factor (1 MHz)	E-4	0303T21-IEC 243	dry 100 sta. 50-60
Comparative tracking index	CTI... CTI...M	0303T1-IEC 112	CTI 550 CTI -- M
<b>Thermal properties</b>			
Melting point	°C	DSC Method	220-225
Heat deflection temperature		53461-75	
HDT - Met. A (1,8 MPa)	°C		dry ≤65
HDT - Met. B (0,45 MPa)	°C		dry ≤160
<b>General properties</b>			
Density	g/cm <sup>3</sup>	53461-1183	1,18±0,02
Viscosity (Viscosity number)	cm <sup>3</sup> /g	DIN ISO 307	130-170
Flammability (3.0; 1,6mm)	Class	UL94-IEC 707	V-0

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.*