

TECHNICAL DATA SHEET:

ARCAMID B1 GF40 NT

Polyamide 6 40% glass fiber reinforced. natural color.

PROPERTY	CONDITIONS	STANDARD	UNIT	VALUES
<i>Physical</i>				
Density		ISO 1183	g/cm ³	1,46
Ashes	720°C, 1 ora	M.I.	%	40
Moisture Content		M.I.	%	< 0,20
Molding Shrinkage, Normal		M.I.	%	0,40 - 0,60
Molding Shrinkage, Parallel		M.I.	%	0,10 - 0,30
XRF (RoHS Directive)		M.I.		Compliant
<i>Mechanical</i>				
Tensile Modulus	1 mm/min	ISO 527/2	MPa	12500
Tensile Strength	50 mm/min	ISO 527/2	MPa	200
Strain at Break	1 mm/min	ISO 527/2	%	< 3
Izod Unnotched Impact Strength	+23°C	ISO 180/U	KJ/m ²	95
Izod Notched Impact Strength	+23°C	ISO 180/A	KJ/m ²	15
<i>Thermal</i>				
HDT (Heat Deflection Temperature)	1.80 MPa	ISO 75/2 A	°C	210
HDT (Heat Deflection Temperature)	0.45 MPa	ISO 75/2 B	°C	215
Melting Point	10°C/min	M.I.	°C	222

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<i>Flammability</i>				
Flammability Class	1.6 mm	UL 94	Class	HB
Burning Rate	0.8 mm	FMVSS 302	mm/min	< 100
GWFI	1.6 mm	IEC 60695-2-12	°C	650
<i>Electrical</i>				
CTI (A Method)		IEC 60112	V	600
<i>Processing Conditions</i>				
Drying Temperature			°C	90
Drying Time			Ore	4
Melt Temperature			°C	230 - 270
Mold Temperature			°C	70 - 90

Issue date: 28/03/2022

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