

TECHNICAL DATA SHEET:

ARCAMID B4 GF20 BK - PK10

Polyamide 6 20% glass fiber reinforced. Black color.

PROPERTY	CONDITIONS	STANDARD	UNIT	VALUES
<i>Physical</i>				
Density		ISO 1183	g/cm ³	1,27
Ashes	720°C, 1 ora	M.I.	%	20
Moisture Content		M.I.	%	< 0,20
Molding Shrinkage, Normal		M.I.	%	0,70 - 1,10
Molding Shrinkage, Parallel		M.I.	%	0,20 - 0,40
XRF (RoHS Directive)		M.I.		Compliant
<i>Mechanical</i>				
Tensile Modulus	1 mm/min	ISO 527/2	MPa	6200
Tensile Strength	50 mm/min	ISO 527/2	MPa	125
Strain at Break	1 mm/min	ISO 527/2	%	< 4
Izod Unnotched Impact Strength	+23°C	ISO 180/U	KJ/m ²	50
Izod Notched Impact Strength	+23°C	ISO 180/A	KJ/m ²	7
<i>Thermal</i>				
HDT (Heat Deflection Temperature)	1.80 MPa	ISO 75/2 A	°C	205
HDT (Heat Deflection Temperature)	0.45 MPa	ISO 75/2 B	°C	210
Melting Point	10°C/min	M.I.	°C	222

Disclaimer: The information provided in this documentation corresponds to our technical knowledge at the date of its publication. This information may be subject to revision. The data are provided as general information only, they relate only to the material specified and they can't be used as parameters for product specifications. Reported data are average and approximate values obtained with tests and experiments in Arca Polimeri laboratory. The data may not be valid if our products are used with other materials, additives or in improper processes. It is not intended to replace tests that customers may need to conduct to determine the suitability of a specific material for his purposes. Since Arca Polimeri Srl cannot foresee all variations in actual end-use conditions, Arca Polimeri Srl makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

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Flammability				
Flammability Class	1.6 mm	UL 94	Class	HB
Burning Rate	1.0 mm	FMVSS 302	mm/min	< 100
GWFI	2.0 mm	IEC 60695-2-12	°C	650
Electrical				
CTI (A Method)		IEC 60112	V	600
Processing Conditions				
Drying Temperature			°C	90
Drying Time			Ore	4
Melt Temperature			°C	230 - 260
Mold Temperature			°C	60 - 80

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