



SELCOM

Multiaxial Technology

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MULTIAXIAL TECHNOLOGY (NCF)
 unidirectional & stitched multiaxial fabrics in
 glass, carbon, aramid... and hybrids for the
 composite industry

internet: www.selcom-srl.com

Technical Data Sheet

PRODUCT NAME EBX1000
 Biaxial fabric $\pm 45^\circ$ in "E" glass

layers	angle	fibre	plan	tex	areal weight	areal weight
	tolerance				gr/m ²	tolerance
0°	$\pm 1^\circ$	Polyester yarn	L5	8,0	7	$\pm 3\%$
+45°	$\pm 1^\circ$	E glass : NEG Roving 2002 or equivalent	L5	600 - 1200	499	$\pm 3\%$
90°	$\pm 1^\circ$	E glass : NEG Roving 2002 or equivalent	L5	136	14	$\pm 3\%$
-45°	$\pm 1^\circ$	E glass : NEG Roving 2002 or equivalent	L5	600 - 1200	499	$\pm 3\%$
		TOTAL gr/m ²	-	-	1019	$\pm 3\%$

Characteristics for fabric

lunghezza rotolo - standard roll length:	mtl 50 \pm 1 mtl
larghezza rotolo - standard roll width:	mm 1270 \pm 10 mm
peso netto rotolo - net roll weight:	Kg. 65 \pm 3 %
tolleranza sulla grammatura - areal weight tolerance:	$\pm 3\%$ [± 31 gr/m ²]
grammatura teorica - theoretical areal weight:	gr/m ² 1019
identificazione rotolo - ident roll:	EBX1000
tipo di legatura - knitting type:	pillar
filo di legatura - stitch yarn:	polyester, texturated, 8,0 tex

Characteristics for filament yarn

tipo fibra - type:	Hybon - NTY 2002
binder content:	0.55 - 0.65 % [nominal]
produttore - manufacturer:	NEG - Nippon Electric Glass
densità volumetrica - volumetric density:	gr/cm ³ 2.59 - 2.62
resistenza a trazione - tensile strength:	Mpa 1900 - 2400 [ASTM D-2343] *
modulo a trazione - tensile modulus:	Gpa 69 - 76 [ASTM D-2343] *
allungamento a rottura - elongation at break:	3.5 - 4 %

*According to ASTM D-2343. These informations can be used for material selection purposes only.

Fregona li 09/07/21

Technical Manager
 Ing. Giovanni Fardin

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DNV-GL TYPE APPROVED PRODUCT - Cert. No. **TAK000017X**



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