



# SELCOM

## Multiaxial Technology

**SELCOM SRL**  
 via della Torre n. 17  
 31010 FREGONA (TV) ITALY  
 phone +39 0438 585166  
 modem fax +39 0438 585172  
 modem fax +39 0438 916049

cap. soc. EURO 101490,00  
 cod. fisc. e p.i. IT 02369430265  
 trib. Treviso n. 33642 reg. soc.  
 c.c.i.a.a. Treviso n. 206094  
 M. estero TV 028944  
 E-mail: [info@selcom-srl.com](mailto:info@selcom-srl.com)

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

internet: [www.selcom-srl.com](http://www.selcom-srl.com)

## Technical Data Sheet

PRODUCT NAME EBXS1200  
 Biaxial fabric 0° 90° in "E" glass

layers	angle	fiber	plan	tex	areal weight	areal weight
	tolerance				gr/m <sup>2</sup>	tolerance
0°	-	Polyester yarn	Biact	8,0	7	± 3 %
0°	± 2°	E glass: NEG Roving 2002 or equivalent	Biact	1200 - 2400	600	± 3 %
90°	± 2°	E glass: NEG Roving 2002 or equivalent	Biact	1200	600	± 3 %
		TOTAL gr/m <sup>2</sup>	-	-	1207	± 3 %

### Characteristics for fabric

lunghezza rotolo - standard roll length:	mtl 50 ± 1 mtl
larghezza rotolo - standard roll width:	mm 1270 ± 20 mm
peso netto rotolo - net roll weight:	Kg. 76,6 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % ( ± 36 gr/m <sup>2</sup> )
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 1207
identificazione rotolo - ident roll:	EBXS1200
tipo di legatura - knitting type:	tricot
filo di legatura - stitch yarn:	polyester, texturated, 8,0 tex

### Characteristics for filament yarn

tipo fibra - type:	NEG Roving 2002
binder content:	0.55 - 0.65 % ( nominal )
produttore - manufacturer:	Nippon Electric Glass fiber
densità volumetrica - volumetric density:	gr/cm <sup>3</sup> 2.59 - 2.62
diametro filamento - filament diameter:	µm 17 ( 1200tex - 2400tex )
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. All these informations can be used for material selection purposes only.

Fregona lì 04/09/23

Technical Manager  
 Ing. Giovanni Fardin

NB : THIS DOCUMENT IS COMPUTER GENERATED AND IT'S VALID WITHOUT SIGNATURE



DNV-GL TYPE APPROVED PRODUCT - Cert. No. TAK000017W



SELCOM Srl is a weaver of technical textiles from continuous filaments (rovings). All information supplied by or on behalf of SELCOM Srl in relation to its products, whether in the nature of data, recommendations or otherwise, has been given in good faith and in compliance with technical and commercial information supplied by raw materials (fibre) manufacturers. All information aforementioned are supported by its own experience and believed reliable but SELCOM Srl declines all responsibility in respect of the application, processing or use of the aforementioned information or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose quality and other properties he shall verify or any consequence thereof. SELCOM Srl believes that it is the user that shall determine the suitability of a product for its end-use and the user that assures all liability in connection therewith. M10-1-02.DOC Ed.01-Rev.00-12.05.10