



selcom

Multiaxial Technology

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

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Technical Data Sheet

PRODUCT NAME **EBXS450M225**

Biaxial fabric 0°/90° in "E" glass stitched with chop strand mat

layers	angle tolerance	fiber	Gauge	tex	areal weight	areal weight
					gr/m ²	tolerance
0°	-	Polyester yarn	E10	8,0	11	± 3 %
0°	± 2°	E glass : NEG Roving 2002 or equivalent	E10	600 - 300	225	± 3 %
90°	± 2°	E glass : NEG Roving 2002 or equivalent	-	600 - 300	225	± 3 %
random	-	E glass : chop roving OCV M3060 or equivalent	-	2400	225	± 3 %
TOTAL gr/m ²			-	-	686	± 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. 43,5 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 21 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 686
identificazione rotolo - ident roll:	EBXS450M225
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 ³ 2.59 - 2.62
diametro filamento - filament diameter:	µm 14 (300 tex) - µm 15 (600 tex)
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.

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Technical Manager
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DNV-GL TYPE APPROVED PRODUCT - Cert. No. **TAK000017W**



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