



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 EBXS400M100	Code
Biaxial fabric 0° 90° in "E" glass stitched with chop strand mat	01311000410

layers	angle tolerance	fiber	plan	tex	areal weight	areal weight
					gr/m ²	tolerance
0°	± 1°	E glass : PPG Roving 2002 or equivalent	L5	600 - 300	207	± 3 %
90°	± 1°	E glass : PPG Roving 2002 or equivalent	L5	600 - 300	192	± 3 %
random	± 1°	E glass : chop roving OCV M3060	L5	2400	100	± 3 %
0°	-	Polyester yarn	L5	8,3	11	± 3 %
		TOTAL gr/m ²	-	-	510	± 3 %

Characteristics for fabric

lunghezza rotolo - standard roll length:	mtl 50 ± 1 mtl
larghezza rotolo - standard roll width:	mm 1270 ± 10 mm
peso netto rotolo - net roll weight:	Kg. 32,5 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 15 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 510
identificazione rotolo - ident roll:	EBXS400M100
tipo di legatura - knitting type:	tricot
filo di legatura - stitch yarn:	polyester, texturated, 8,3 tex

Characteristics for filament yarn

tipo fibra - type:	PPG Roving 2002
binder content:	0.55 - 0.65 % (nominal)
produttore - manufacturer:	PPG Industries
densità volumetrica - volumetric density:	gr/cm ³ 2.59 - 2.62
diametro filamento - filament diameter:	µm 12 (600 tex) - µm 14 (300 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 %

*Accotrding to ASTM D-2343.All these informations can be used for material selection purposes only.

Quality Assurance
 Ing. Giovanni Fardin

Fregona li 03/09/15

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DNV

TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807



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