



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

## Technical Data Sheet

<b>PRODUCT NAME EBX600M225</b>	<b>Code</b>
Biaxial fabric $\pm 45^\circ$ in "E" glass stitched with chop strand mat	<b>01212250623</b>

layers	angle tolerance	fiber	plan	tex	areal weight	areal weight
					gr/m <sup>2</sup>	tolerance
0°	-	polyester	L5	8,3	9	± 3 %
+ 45°	± 1°	E glass : PPG Roving 2002 or equivalent	L5	300 - 600	300,5	± 3 %
90°	± 1°	E glass : PPG 136 tex or equivalent	L5	136	13	± 3 %
- 45°	± 1°	E glass : PPG Roving 2002 or equivalent	L5	300 - 600	300,5	± 3 %
random	-	E glass : chop roving OCV M3060	L5	2400	225	± 3 %
TOTAL gr/m <sup>2</sup>					848	± 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. 54 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % [ ± 25 gr/m <sup>2</sup> ]
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 848
identificazione rotolo - ident roll:	<b>EBX600M225</b>
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 <sup>3</sup> 2.59 - 2.62
diamentro filamento - filament diameter:	µm 12 - µm 14 - µm 9
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 li 03/09/15

Quality Assurance  
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**DNV**

**TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807**



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**RINA**  
 ISO 9001:2008  
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