



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 EBXS900	Code 01300000900
Biaxial fabric 0° 90° in "E" glass	

layers	angle	fiber	plan	tex	areal weight	areal weight
	tolerance				gr/m ²	tolerance
0°	± 1°	PPG Roving 2002	L5	1200	425	± 3 %
0°	± 1°	OCV Roving SE 1200	L5	600	24	± 3 %
90°	± 1°	PPG Roving 2002	L5	1200	448	± 3 %
0°	-	polyester	L5	7,8	9	± 3 %
		TOTAL gr/m²	-	-	906	± 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. 57,5 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 27 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 906
identificazione rotolo - ident roll:	EBXS900
tipo di legatura - knitting type:	tricot
filo di legatura - stitch yarn:	polyester, texturated, 7,8 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
diamentro filamento - filament diameter:	µm 12 - µm 17
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 %

* Determined from resin impregnated rovings according to ASTM D-2343

Fregona li 12/03/12

Quality Assurance
 Ing. Giovanni Fardin

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DNV

TYPE APPROVED PRODUCT - CERTIFICATE NO. K-4016

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