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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 EBX450
 Biaxial fabric $\pm 45^\circ$ in "E" glass

layers	angle tolerance	fiber	plan	tex	areal weight	areal weight
					gr/m ²	tolerance
0°	-	Polyester yarn	L2	8,0	8	± 3 %
- 45°	± 1°	E glass : NEG Roving 2002	L2	300	225	± 3 %
+ 45°	± 1°	E glass : NEG Roving 2002	L2	300	225	± 3 %
TOTAL gr/m ²			-	-	458	± 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. 29,0 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 23 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 411
identificazione rotolo - ident roll:	EBX450
tipo di legatura - knitting type:	catenella - pillar
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
diamentro filamento - filament diameter:	µm 14
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 %

*All these informations can be used for material selection purposes only

Fregona li 30/06/21

Technical Manager
 Ing. Giovanni Fardin

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TYPE APPROVED PRODUCT - CERTIFICATE NO. TAK000017V

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