



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 EQX800M225 Quadriaxial fabric 0° +45° 90° -45° in "E" glass stitched with chop strand mat
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layers	angle tolerance	fiber	tex	areal weight gr/m ²	areal weight tolerance
0°	-	Polyester yarn	8,0	9	± 3 %
0°	± 2°	E glass roving : NEG Hybon 2002 or equivalent	900	211	± 3 %
+45°	± 2°	E glass roving : NEG Hybon 2002 or equivalent	300	202	± 3 %
90°	± 2°	E glass roving : NEG Hybon 2002 or equivalent	600	200	± 3 %
-45°	± 2°	E glass roving : NEG Hybon 2002 or equivalent	300	202	± 3 %
random	-	E glass : chop roving OCV M3060 or equivalent	2400	225	± 3 %
TOTAL gr/m ²			-	1049	± 3 %

Characteristics for fabric

standard roll length:	mtl 50 ± 1 mtl
standard roll width:	mm 1270 ± 20 mm
net roll weight:	Kg. 66,7 ± 3 %
areal weight tolerance:	± 3 % [± 31 gr/m ²]
theoretical areal weight:	gr/m ² 1049
ident roll / selcom prod. ident:	EQX800M225
knitting type:	tricot
stitching yarn type:	polyester, texturised, 8.0 tex

Characteristics for fibre

fibre type:	Hybon 2002
binder content:	0.55 - 0.65 % [nominal]
manufacturer:	NEG - Nippon Electric Glass
volumetric density:	gr/cm ³ 2.59 - 2.62
filament diameter:	µm 17 - µm 15 - µm 14
tensile strength:	Mpa 1900 - 2400 [ASTM D-2343] *
tensile modulus:	Gpa 69 - 76 [ASTM D-2343] *
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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Fregona li 22/12/2023

Technical Manager
 Ing. Giovanni Fardin



DNV-GL TYPE APPROVED PRODUCT - Cert. No. TAK000017Y



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