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**MULTIAXIAL TECHNOLOGY (NCF)**  
*unidirectional & stitched multiaxial  
 fabrics in glass, carbon, aramid... and  
 hybrids for the composite industry*

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## Technical Data Sheet

<b>PRODUCT NAME</b> <b>KEBX600</b>	<b>Code Nr.</b> 22200000600
Biaxial fabric $\pm 45^\circ$ hybrid in "E" glass and aramid fibre	

layers	angle	fibre	plan	tex	areal weight	areal weight
	tolerance				gr/m <sup>2</sup>	tolerance
+ 45°	± 1°	PPG Roving 2002	L2	300	196	± 3 %
+ 45°	± 1°	Twaron 2200	L2	170 - 135	103	± 3 %
- 45°	± 1°	PPG Roving 2002	L2	300	196	± 3 %
- 45°	± 1°	Twaron 2200	L2	170 - 135	103	± 3 %
0°	-	polyester	L2	8,3	7	± 3 %
TOTAL gr/m <sup>2</sup>					605	± 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. 38,5 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % ( ± 18 gr/m <sup>2</sup> )
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 605
identificazione rotolo - ident roll:	<b>KEBX600</b>
tipo di legatura - knitting type:	catenella
filo di legatura - stitch yarn:	polyester, texturated, 8,3 tex

### Characteristics for filament yarn

tipo fibra - type:	PPG Roving 2002	Twaron 2200
binder content:	0.55 - 0.65 % ( nominal )	0.80%
produttore - manufacturer:	PPG Industries	Teijin Aramid
densità volumetrica - volumetric density:	gr/cm <sup>3</sup> 2.59 - 2.62	gr/cm <sup>3</sup> 1,44
diamentro filamento - filament diameter:	µm 14	µm 12
resistenza a trazione - tensile strength:	Mpa 1900 - 2400 ( ASTM D-2343 ) *	Mpa 3150**
modulo a trazione - tensile modulus:	Gpa 69 - 76 ( ASTM D-2343 ) *	Gpa 110**
allungamento a rottura - elongation at break:	3.5 - 4 %	2.9%**

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

\*\* Measured according Test Methodes of Twaron 05.92.0358

Fregona li 17/07/13

Quality Assurance  
 Ing. Giovanni Fardin

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