

# TECHNICAL DATA SHEET

## CBX400-24K UTS50

Biaxial fabric  $\pm 45^\circ$  in Carbon fibre



Layer	Angle Tolerance	Fiber	Plan	Tex	Areal Weight gr/M <sup>2</sup>	Tolerance
0°	-	Polyester yarn	M25	8	7	±5%
-45°	±1°	Carbon: Tenax UTS50 F24 24K	M25	1630	200	±5%
+45°	±1°	Carbon: Tenax UTS50 F24 24K	M25	1630	200	±5%
		TOTAL gr/M <sup>2</sup>	-	-	407	±5%

### Characteristics for fabric

Lunghezza rotolo - standard roll length:	LM	50	±1 LM
Larghezza rotolo - standard roll width:	MM	1270	± 20mm
Peso netto rotolo - net roll weight:	KG	25,8	± 1,29Kg
Tolleranza sulla grammatura - areal weight tolerance:	Gr/M <sup>2</sup>	±5%	± 20gr/M <sup>2</sup>
Grammatura teorica - theoretical areal weight:	Gr/M <sup>2</sup>	407	
Identificazione rotolo - ident roll:	CBX400-24K UTS50		
Tipo di legatura - knitting type:	pillar		
Filo di legatura - stitch yarn:	Polyester, texturated, 8.0 tex		

### Characteristics for filament yarn

Tipo fibra - Type:	Tenax UTS50 F24 24K
Size amount:	1,97 %
Produttore - Manufacturer:	Teijin Carbon Europe GmbH
Densità volumetrica - Volumetric density:	g/cm <sup>3</sup> 1.81
Nr. filamenti - Number of filaments:	24000
Carico di rottura a trazione - Tensile strength:	Mpa 5100*
Modulo a trazione - Tensile modulus:	Gpa 245*
Allungamento a rottura - Elongation at break:	1,87 %*

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



DNV-GL TYPE APPROVED PRODUCT - Cert. No. TAK00000NV

**TECHNICAL MANAGER**  
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