

WOVEN FABRIC

 Carbon Fabric / Product Description: **GV-401 Utx**

CHARACTERISTICS	NOMINAL	UM	TOLERANCE	NORMATIVE
Mass unit per area	418	g/m ²	5,0%	ISO 3374
Weave	UTFX			ISO 2113
Width	from 100 to 1000	mm	2,5%	ISO 22198
Thickness	0,40	mm	5,0%	ISO 5084 (**)
Other informations	Thermofixed Fabric			

NOMINAL CONSTRUCTION	WARP		WEFT	
1st fiber description	HS Carbon Fiber - STS 40 F13 - 24K		Thermoplastic Coated Glass Yarn - Glass Yarn - 1220dtex	
1st fiber producer	TOHO TENAX			
2nd fiber description				
2nd fiber producer				
Thread count - 1st fiber	2,50 ends/cm ±2%	ISO 4602	1,60 ends/cm ±2%	ISO 4602
Thread count - 2nd fiber				
Weight distribution - 1st fiber	400 g/m ²	95,7%	18 g/m ²	4,3%
Weight distribution - 2st fiber				
Weight distribution	95,7%		4,3%	
Selvadges	Weaving style	LENO	Type of fiber	HM polyster 22 tex

MECHANICAL PROPERTIES OF FIBER	STRENGHT (nominal)	MODULUS (nominal)
STS 40 F13 - 24K	4300 MPa	240 GPa
Glass Yarn - 1220dtex	--- ---	--- ---

(***) Theoretical thickness for an epoxy laminate with 40% of reinforcement in volume.

Note: Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user.

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