

# WOVEN FABRIC

Product Description: **GG-416 T**  
Carbon Fabric

CHARACTERISTICS	NOMINAL	UM	TOLERANCE	NORMATIVE
Mass unit per area	408	g/m <sup>2</sup>	5,0%	ISO 3374
Weave	2X2 Twill			ISO 2113
Width	from 1000 to 1350	mm	2,5%	ISO 22198
Thickness	0,39	mm	5,0%	ISO 5084 (**)
Other informations	Loomstate			

NOMINAL CONSTRUCTION	WARP		WEFT	
1st fiber description	HS Carbon Fiber - TAIRYFIL TC36P - 12K		HS Carbon Fiber - TAIRYFIL TC36P - 12K	
1st fiber producer	FORMOSA		FORMOSA	
2nd fiber description				
2nd fiber producer				
Thread count - 1st fiber	2,50 ends/cm ±2%	ISO 4602	2,60 ends/cm ±2%	ISO 4602
Thread count - 2nd fiber				
Weight distribution - 1st fiber	200 g/m <sup>2</sup>	49,0%	208 g/m <sup>2</sup>	51,0%
Weight distribution - 2st fiber				
Weight distribution	49,0%		51,0%	
Selvages	Weaving style	LENO	Type of fiber	HM polyster 22 tex

MECHANICAL PROPERTIES OF FIBER	STRENGHT (nominal)	MODULUS (nominal)
TAIRYFIL TC36P - 12K	4900 MPa	250 GPa

(\*\*) 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.

## ANGELONI GROUP

Via Abbate Tommaso 72/A 30020 Quarto D'Altino (VE) - Italy  
T. +39 0422 780580 - F. +39 0422 782787  
E. info@angelonigroup.com

angelonigroup.com