

428 GSM 2x2 TWILL CARBON FABRIC

CHARACTERISTICS		Nominal	Tolerance	Normative
Mass per unit area	g/m ²	428	± 5%	ISO 4605
Weave		2x2 Twill		ISO 2113
Width	mm	1000/1200	± 2,5%	ISO 22198
Thickness	mm	0,43	±2,5%	ISO 5084 (**)
Other informations		Loomstate		

Nominal Construction	WARP		WEFT	
Fiber Description	HR Carbon Fiber TR50S 12K 800 tex		HR Carbon Fiber TR50S 12K 800 tex	
Fibre Producer	GRAFIL		GRAFIL	
Thread Count	2,65 ends/cm	ISO 4602	2,7 ends/cm	ISO 4602
Weight Distribution	212 g/m ²	49%	216 g/m ²	51%
	12K Carbon		12K Carbon	
Selvages	Weaving style	LENO	Type of Fiber	HM polyester 22 tex

Mechanical properties	Strength (nominal)	Modulus (nominal)
Mitsubishi Grafil TR50S 12K	4900 MPa	240 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.