



WOVEN FABRIC

Technical Data Sheet

Carbon Fabric

Product Code:

GG-285 H5

CHARACTERISTICS	Nominal	UM	Tolerance	Normative
Mass per unit area	280	g/m ²	± 5%	ISO 4605
Weave	5H Satin			ISO 2113
Width	1000	mm	± 2,5%	ISO 22198
Thickness	0,27	mm	± 2,5%	ISO 5084(**)
Other informations	Loomstate			

Nominal Construction	WARP		WEFT	
Fiber Description	HS Carbon Fiber TR30S TJA - 3K		HS Carbon Fiber TR30S TJA - 3K	
Fiber Producer	MITSUBISHI GRAFIL		MITSUBISHI GRAFIL	
Thread Count	7,0 ends/cm	ISO 4602	7,0 ends/cm	ISO 4602
Weight Distribution	140 g/m ²	50%	140 g/m ²	50%
Selvadges	Weaving style	LENO	Type of Fiber	HM polyester 22 tex

Mechanical Properties of Fiber	Strength (nominal)	Modulus (nominal)
TR30S TJA - 3K (MITSUBISHI GRAFIL)	3620 MPa	245 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.

Date of Issue

14/12/2017

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