

GV-601 UTFX Carbon Fabric

Technical Data Sheet

Thermofixed UD carbon fabric

General characteristics

Characteristic	Nominal	Unit	Tolerance	Standard
Mass per unit area	618	g/m ²	± 5%	ISO 4605
Weave	Thermofixed UD	-	-	ISO 2113
Width	1000 / 1270	mm	± 2.5%	ISO 22198
Thickness	0.59	mm	± 2.5%	ISO 5084 (**)
Other information	Thermofixed fabric	-	-	-

Nominal construction

Property	WARP	WEFT
Fiber description	24K CARBON FIBER	Thermoplastic coated glass yarn Glass Yarn - 1100 dtex
Thread count	3.8 ends/cm ISO 4602	1.6 ends/cm ISO 4602
Weight distribution	600 g/m² 97%	18 g/m² 3%
Selvages	Weaving style: LENO	Type of fiber: HM polyester 22 tex

Mechanical properties of fiber

Fiber	Strength (Nominal)	Modulus (Nominal)
24K CARBON FIBER	5014 MPa	251 GPa
Glass Yarn - 1100 dtex	-	-

Important notes

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

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