

## WOVEN FABRIC TECHNICAL DATA SHEET

**Product Reference:** GK 170 P

Characteristics		Nominal	Tolerance	Normative
Mass per unit area	g/m <sup>2</sup>	165	± 5%	ISO 4605
Weave		Plain		ISO 2113
Width	mm	1000/1200	± 2,5%	ISO 22198
Thickness	mm	0,16	± 2,5%	ISO 5084(**)
Other information		Loomstate		

Nominal Construction		Warp		Weft	
Fibre Description		3K Carbon Fibre HM Aramid 1210 dtex		3K Carbon Fibre HM Aramid 1210 dtex	
Thread Count	1 <sup>st</sup> Fibre	3.3 ends/cm	ISO 4602	1.7 ends/cm	ISO 4602
	2 <sup>nd</sup> Fibre	1.7 ends/cm		3.3 ends/cm	
Weight Rate	%	54%		46%	
Weight Distribution	g/m <sup>2</sup>	3K Carbon Fibre	67	3K Carbon Fibre	33
	%		41%		20%
	g/m <sup>2</sup>	HM Aramid	22	HM Aramid	43
	%		13%		26%
Selvedges		Weaving style	Leno	Type of Fibre	HM polyester 22 tex

Mechanical Properties of Fibre	Strength (nominal)	Modulus (nominal)
TR30S SLA – 3K	3620 MPa	245 GPa
Type 2200-1210 dtex	3176 MPa	108 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.