



MATERIAL DATA SHEET

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Material Description: Carbon Fabric (TW)

Application

Carbon fabric is a raw material used for Aerospace, Defense and its allied industries.

Data

1	Precursor	: Rayon Yarn
2	Type of Weave	: 2 x 2 Twill Weave

Chemical Properties

No.	Parameter	UOM	Specification
1	Carbon content	weight %	: 97% min.
2	Ash content	weight %	: 1 max.
3	Sodium content	ppm	: 750 max.
4	pH Value	-	: 7 - 11

Mechanical Properties

No.	Parameter	UOM	Specification
1	Breaking Strength	N / Inch	
	Warp		: 500 min.
	Fill		: 500 min.
2	Specific Gravity	gm/cc	: 1.8 - 2.0
3	Weight	g/sqm	: 325 ± 15
4	Thread Count		
	Warp	End / Inch	: 31 - 33
	Fill	Picks / Inch	: 35 - 38
6	Thickness	mm	: 0.35 - 0.40
7	Width	mm	: 500 ± 10
8	Length	meter	: 95 max.
9	Surface Resistivity	Ohms/Sq	: 6.9

Important

All information is considered to be correct but is given without acceptance of responsibility. Users should make their own assessment of the suitability of any product for the purpose and requirements.
