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02C420K- CARBON FABRIC- 420gr/sqm 12K TWILL 2/2

DESCRIPTION:	Carbon Fabric Woven - 420gr/sqm 12k Twill 2/2			
PACKAGING:	Fabric tightly wound onto cardboard tubes; wrapped in clear plastic; packaged into double-walled cardboar boxes; roll is suspended in center of box by end-plates on both ends of tube; roll held tight in box by cardboar shims filling free end-play.			
SPEC TYPE	SPEC DESCRIPTIONS			DEFINITIONS
"FABRIC"	FABRIC "METRIC" SPECS:			FABRIC DEFINITIONS:
Areal Weight	gram/sq/m. =420 gr. (± 5%)			The weight of the fabric per square meter or square yard.
Roll Length/Width	meters(+/-)= 100m.(±0.5) cantimeters(+/-)= 100 cm(± 2,5%)			Roll linear length, plus+ or minus tolerance.
"WEAVE"	WEAVE DETAIL SPECS:			WEAVE DEFINITIONS:
Style / Pattern	Twill 2/2			Weave style or pattern of woven fabric or material.
"FIBER"	FIBER DESCRIPTION SPECS:			FIBER DEFINITIONS:
Type / Model	WARP = "12K HS Carbon Fiber" 300GR WEFT = "12K HS Carbon Fiber" 300GR			Fiber manufacturers product or ID number.
Tow ("k" if Carbon)	Warp = 12K / Weft = 12K			Continuous filaments per fiber bundle. (K = 1000)
Filament Count	Warp = 12,000 / Weft = 12,000			The number of filaments per tow.
Filament Diameter(micron)	Warp = 5 / Weft =5			The diameter of the filament.
Density	g/cm3 = 1.79			Mass per unit volume in 3. Typically grams per cm cubed.
MASS (Yield)	tex (g/1000m) = 800		g/m = ND	Measurement of the amount of mass per unit length.
Tensile Strength (min) WARP/WEFT	Ksi = 610		Mpa = 4200	The force at which fiber breaks measured by the area width.
Tensile Modulus (min) WARP/WEFT	Msi = 34,8		Gpa = 240	Measurement of the elastic stiffness.
Tensile Strain (min)	% =	1,6		Elongation of fiber at breaking point (Percentage of stretch)
Sizing Level	% = 1.20%		9%	Percentage of chemical treatment versus total fiber weight.
Electrical Resistivity	10-3 1.55 /ohms/cm=			Electrical resistance in ohms per length specified
Carbon Assay	%= 95%		,	Percentage of actual carbon content in fiber.
Specific Gravity	gm/cm3 =	m3 = 1.79		Compare Density: Water has a Specific Gravity of 1.0