solidian kelteks

TECHNICAL DATA SHEET

solidian BRIKSY CARBON

Specifications		Unit	Value	Tolerance	Standard
Fiber material warp	Carbon	-	-	-	-
Fiber material weft	Glass fiber	-	-	-	-
Impregnation material	Styrene-butadiene	%	≥ 18	-	ISO 1887:2013
Mesh basis weight	-	g/m^2	630	±5 %	ISO 3374:2000
Raw weight	Warp	g/m^2	392	-	ISO 3374:2000
	Weft	g/m^2	74	-	ISO 3374:2000
Finished weight	Warp	g/m^2	530	-	ISO 3374:2000
	Weft	g/m^2	100	-	ISO 3374:2000
Dimensions					
Briksy 50	width x length	mm x m	50 x 50	±1	ISO 22198:2006
Briksy 75	width x length	mm x m	75 x 50	±1	ISO 22198:2006
Briksy 300	width x length	mm x m	300 x 30	±1	ISO 22198:2006
Single yarn cross section	Warp	mm^2	1,81	-	-
	Weft	mm^2	0,92	-	-
Fiber density	Warp	g/cm^3	1,77	-	-
	Weft	g/cm^3	2,60	-	-
Mesh size	Warp	mm	8,3	± 0,5	-
	Weft	mm	33,3	± 0,5	-
Tensile Strength	Warp	kN/m	472	-	ISO 10406-1
	Weft	kN/m	25	-	ISO 10406-1
Ultimate Tensile Strength	Warp	MPa	2.173	-	ISO 10406-1
	Weft	MPa	905	-	ISO 10406-1
E-Modulus	Warp	GPa	213	-	ISO 10406-1
	Weft	GPa	73	-	ISO 10406-1

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Information

1. This product is still in development stage and the values given in this TDS are on the basis of preliminary results for information only and might change.

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