

Product Introduction

Fiberlink carbon fiber tow is produced in a continuous operation in which polyacrylonitrile precursor undergoes a series of precisely controlled oxidation and carbonization processes. Exposure to extremely high temperatures chemically changes the precursor which yields high strength-to-weight and high stiffness-to-weight properties. Successive surface treatment and sizing stages improve bonding and handleability.

Fiberlink continuous carbon fiber CB1, CB2 & CB3 are compatible with epoxy resin. They are used for weaving, braiding, filament winding applications, unidirectional tapes and prepreg tow for fiber placement. The major applications include wind energy, automotive, aviation, marine, sports and recreation, etc.

Product Description

All CB1, CB2 & CB3 carbon fiber tows are manufactured to meet ISO 9002 standards.

Packaging

Fiberlink carbon fiber tow is wound on a bobbin, sealed in heat shrunk covering, and placed in cardboard box before palletizing.

Storage

Unless otherwise specified, it is recommended to store carbon fiber tow in a cool, dry area. Temperature should not exceed 35°C (95°F) and the relative humidity should be kept below 75%. Carbon fiber tow must remain in packaging material until just prior to their use. If these conditions are respected, the products should not undergo significant changes when stored for extended periods of time.

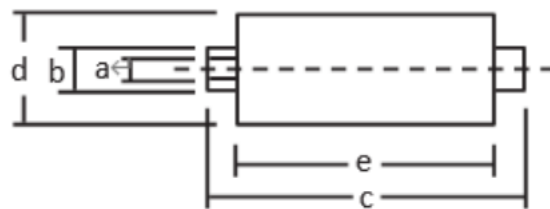
Stacking

To ensure safety and avoid damage to the product, skids should not be stacked.

Product Data

Item Code	Filament Counts K	Yeild tex	Tensile Strength		Tensile Modulus	
			Ksi	Gpa	Ksi	Gpa
CB1-50K	50	3200	520.2	3500	34.8	240
CB2-25K	25	1600	624.3	4200	34.8	240
CB2-50K	50	3200	594.6	4200	34.8	240
CB3-25K	25	1600	652.6	4500	34.8	240
CB3-50K	50	3200	652.6	4500	34.8	240

Item Code	Elongation %	Filament Diameter Micron	Density g/cm ³	Sizing Type	Sizing Content %
CB1-50K	1.5	7.0	1.78	Epoxy	0.8 – 1.5
CB2-25K	1.6	7.0	1.78	Epoxy	0.8 – 1.5
CB2-50K	1.6	7.0	1.78	Epoxy	0.8 – 1.5
CB3-25K	1.6	7.0	1.78	Epoxy	0.8 – 1.5
CB4-50K	1.7	7.0	1.78	Epoxy	0.8 – 1.5



Schematic Diagram of Bobbin Sizes III

Packaging:

Tow Sizes	Bobbin Net Wt. (kg)	Bobbin Type	a	b	c	d	e	Spool per Case	Case Net Wt. (kg)
25k	4	III	76.5	82.5	280	160	260	126	504
50k	8	III	76.5	82.5	280	215	260	60	480

Disclaimer of Liability

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