

## UD CARBON FIBER FABRIC (CFRP)

Carbon fiber fabric, also known as carbon fiber wrap, is a thin, flexible, and adhesive-backed material that is made from woven carbon fibers. It has become increasingly popular in the construction industry due to its unique properties and advantages.

One of the primary uses of carbon wrap in the construction industry is for structural reinforcement and repair. Carbon wrap can be used to strengthen and reinforce concrete, masonry, steel, and wood structures. It can also be used to repair and restore existing structures that have been damaged due to structural issues or natural disasters.

*\*UD=Unidirectional weaving - Is the process in the manufacturing of high-performance composites where all of the fibers are oriented in the same direction.*

### Technical Data Sheet:

#### DRY FIBER PROPERTIES

TENSILE STRENGTH:	≥4500 MPA	TENSILE MODULUS:	≥230 GPA
ELONGATION:	≥1.7%	YARN TYPE:	12k Carbon Fiber

#### LAMINATE PROPERTIES

WEIGHT:	<b>200 GSM</b>	WIDTH:	10 CM – 150 CM
TENSILE STRENGTH:	3400 MPA	LENGTH:	50m   100m
TENSILE MODULUS:	230 GPA	SURFACE:	UD Woven (weft hotmelt)
ELONGATION	1.6%		
THICKNESS:	0.111 mm		

COMMENTS: We do customized production as per projects requirement. Customized packing are also available.

