

# CARBON FIBER YARN

Carbon fiber yarn or roving is a type of reinforcement material used in the manufacturing of composite materials, particularly those made with carbon fiber reinforced polymer (CFRP). It consists of a bundle of continuous, untwisted carbon fiber filaments, typically ranging from 1000 to 50,000 filaments per roving. The filaments in a carbon fiber roving are made from long, thin strands of carbon atoms that are tightly woven together to form a high-strength material. When combined into a bundle, carbon fiber roving can be woven, knitted, or layered to create fabrics, mats, or pre-preg sheets that are then used to manufacture composite parts.

## Technical Data Sheet:

### PRODUCTS PROPERTIES

TENSILE STRENGTH:	4000 Mpa	YARN TYPE	3k Carbon Yarn
TENSILE MODULUS:	≥230 Gpa	COLOR:	Black
ELONGATION:	1.7 %	PACKING:	Customized
FILAMENT DIAMETER	7 μm	WEIGHT:	1 kg
YIELD	198 g/1000 m		

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

