MARINE APPLICATIONS

CARBON COMPOSITE RODS

KORD

CARBON RODS

PROPERTIES

- %80 weight reduction comparing to metal alternatives
- High Strength-to-Weight Ratio
- High stiffness with superior tensile strength and high mechanical strength in one direction
- Non-corrosive
- Low thermal expansion
- Pultrusion, pull braiding, pull winding technologies for different requirements

CUSTOMIZATION

- Standard sizes from 4.5mm to 50mm other size available upon request
- Wide range of cross-sectional areas for custom designed profiles
- Cutting and machining capabilities for special parts
- Can be easily customized to meet specific performance requirements

USE

- Stiffening and reinforcement
- Batten supports
- Dinghy spars
- Handrails and grab rails
- Fishing rod blanks
- Support poles for biminis and dodgers
- Whisker poles
- Flag poles
- Kayak and canoe ribs

Size (mm)	Tensile Strength (Mpa)	Linear Weight (gr/m)	Glass Transition (Tg, °C)	Fiber Volume Ratio (%)
4.5 mm	>2000	26	105.5	69%
5 mm	>2000	32	105.5	69%
6 mm	>2000	42	105.5	69%
8 mm	>2000	80	105.5	73%
9 mm	>2000	102	105.5	72%
10 mm	>2000	125	105.5	71%
11 mm	>2000	153	105.5	71%
12 mm	>2000	181	105.5	68%
16 mm	>2000	323	105.5	70%
20 mm	>2000	504	105.5	70%

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