

COMPOSITES FOR MEDICAL USE

TUBULAR FIXATOR RODS



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PROPERTIES

- Carbon fiber epoxy matrix
- Radiolucency - Transparent to x-ray and radiation
- %80 weight reduction comparing to metal
- High stiffness with superior tensile strength
- Non-corrosive
- Low thermal expansion

PULTRUSION

- Pultruded carbon fiber reinforced profile production based on pultrusion, pull-winding and pull braiding technologies.
- Cutting and machining capabilities for special parts

DIMENSIONS

- Standard sizes from 5 to othersize available upon request
- Wide range of cross-sectional areas for custom designed profiles

Size mm	Tensile Strength Mpa	Linear Weight gr/m	Glass Transition Tg, g	Fiber Volume Ratio
5 mm	>2000	32	105.5 C	68 %
6 mm	>2000	46	105.5 C	68 %
8 mm	>2000	80	105.5 C	70 %
10 mm	>2000	125	105.8 C	66 %
12 mm	>2000	180	105.8 C	66 %