

Fishing Rod Fiberglass Fabric

Technical Data Sheet (TDS)

1. Product Description RUIHUN Fishing Rod Fiberglass Fabric is a high-strength woven fiberglass cloth designed for manufacturing fishing rod blanks and composite reinforcement. The fabric provides excellent flex, impact resistance, and durability. Compatible with epoxy, polyester, and vinyl ester resins, it ensures smooth resin impregnation and uniform rod blank performance.

2. Physical & Mechanical Properties

Property	Typical Value	Test Method / Standard
Material	E-Glass / S-Glass Fiberglass	–
Weave Type	Plain / Twill	–
Areal Weight	80–300 g/m ² (customizable)	ASTM D3776
Thickness	0.08–0.35 mm	ASTM D1777
Width	1000–1600 mm (customizable)	–
Yarn Count	12–24 tex / yarn	–
Tensile Strength (Warp / Weft)	200–500 N / 200–500 N	ASTM D5034
Elongation at Break	2–4%	ASTM D5034
Flexural Modulus	6–12 GPa	ASTM D790
Surface Finish	Heat cleaned / Silane treated	–
Resin Compatibility	Epoxy / Polyester / Vinyl Ester	–
Color	Natural / White	–

Note: Values are typical and for reference; custom specifications are available upon request.

3. Key Features

- High strength-to-weight ratio for durable rod blanks
- Excellent flexibility and bending performance
- Uniform weave for consistent resin impregnation
- Impact and fatigue resistant, reducing sudden rod failure
- Lightweight and easy to handle for rod manufacturing
- Direct factory supply ensures stable quality and competitive pricing

4. Recommended Applications

- Fiberglass fishing rod blanks (tip, midsection, butt)
- Composite rods (fiberglass + carbon fiber)
- Rod reinforcement layers
- Surf rods, boat rods, spinning rods, casting rods
- Sporting goods requiring tubular or flat composite reinforcement

5. Handling & Storage

- Store in a cool, dry environment away from direct sunlight

- Keep fabric flat or rolled to prevent deformation
- Avoid contact with chemicals or moisture that may degrade fiber performance
- Handle carefully to prevent fraying at cut edges

6、Packaging Options

- Roll length: 50–100 meters (customizable)
- Width: 1000–1600 mm
- Packed in plastic film + cardboard core
- Bulk or OEM packaging available

7、RUISHUN Factory Advantage

- Direct Factory Supply: No middlemen, stable quality and pricing
- Custom Development Support: Tailored fabrics for rod action & performance
- Quality Assurance: Strict yarn tension & weave control
- Export Ready: Serving fishing rod manufacturers globally
- OEM Orders Accepted: Custom weights, widths, and surface treatments

contact

E-mail: rssale651@czrsxcl.com WhatsApp: +86 18068755165