

**WHY FIBER-LINE® FRP?****Key Features**

- Sizes Available: 0.25 mm – 5.00mm
- Dielectric (excluding Carbon)
- Additional u-jacketing available up to 17.00 mm
- Oval & rectangular shapes available
- Rod printing available for accurate length reading
- Splicing/ respooling services available

FIBER-LINE® FIBERS FOR FRP

- Fiberglass
- Kevlar® Para-Aramid
- Vectran® Liquid Crystal Polymer (LCP)
- Zylon® Polybenzoyloate (PBO)
- Carbon Fiber

FIBER-LINE® PERFORMANCE**ADDING COATINGS**

- Swellcoat® Water Absorbing Protection
- Protexcoat™ UV Degradation Prevention

FIBER-LINE® PRODUCTS**W/ FRP**

- Strength elements
- Central strength members

Overview

- FIBER-LINE® recently installed new state of the art pultrusion equipment to complement its traditional processes for making FRP (Fiber Reinforced Polymer).
- Resin chemistry is optimized for process conditions, fiber adhesion, and end-use application of FRP. Resin impregnated fibers are chemically cured with thermal or ultraviolet energy to form a highly crosslinked thermoset matrix.

Packaging

FRP products are supplied on a variety of different size wood or plastics reels along with different lengths depending on the customer's requirements. Alternate package solutions are also available at the customer's request.



**POPULAR FRP ROD PRODUCTS**

Product ID	FIBER-LINE® Coating	Base Fiber	Tensile Strength	Load at 1% Elongation	Absorption Capacity
2.3 mm FRP	Swellcoat®	Fiberglass	≥ 5115 N	≥ 2100	2.5 – 4.5 g/m
.60 mm ARP	N/A	Kevlar®	≥ 340 N	≥ 165 N	N/A
5.00 mm FRP	N/A	Fiberglass	≥ 24041	≥ 9617	N/A
.40 mm ARP	N/A	Kevlar®	≥ 210 N	≥ 95 N	N/A
.50 mm FRP	Swellcoat®	Fiberglass	≥ 300 N	≥ 130	≤ 1.0 g/m

**ABOUT FIBER-LINE®**

For over 25 years, FIBER-LINE® has provided science-driven expertise that improves the performance and the end-use processing of high performance fibers. Our products enable the search for new energy reserves and extend the life of fiber optic telecommunication cables. They also add important characteristics, such as SWELLCOAT® water-blocking, water repellence, adhesion, color, and wear and UV-resistance to these and many other applications. We believe that our ongoing commitment to protect the environment, to remain at the forefront of fiber and coating technology, and to 'treat others as we want to be treated' will continue to drive the success of our customers, shareholders, and employees.

**LOCATIONS****Headquarters, R&D, Manufacturing**

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