

FIBERS PROCESSES PRODUCTS

EXTRUSION

WHY FIBER-LINE® EXTRUSION?

Overview

- FIBER-LINE[®] extrusion is the process of forming a polymer jacket of various thickness around a core of high-performance fibers
- Fiber core can be parallel, twisted, or in rope form
- Polymer jacket selected to optimize flex, chemical, temperature, & UV resistance

Key Features

- .50mm 30.00mm size capability
- Protect the core from mechanical, environmental, and chemical damage
- Extend life of cable or strength member
- Enhance flame & chemical resistance
- Improve UV resistance
- Many polymers available

FIBER-LINE[®] FIBERS SUITABLE FOR EXTRUSION

- Kevlar[®] Para-Aramid
- Vectran[®] LCP
- Zylon[®] PBO
- Technora[®]
- Carbon Fiber
- Fiberglass

FIBER-LINE® PRODUCTS ADDED BY EXTRUSION

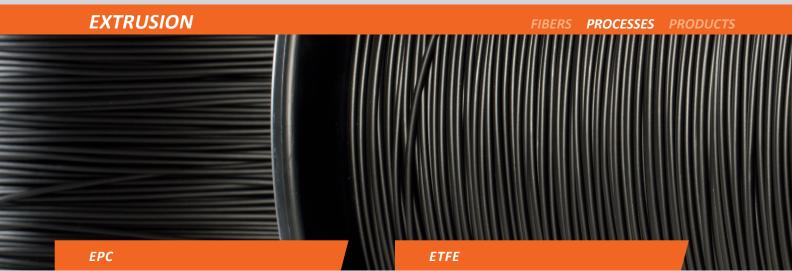
- Strength members
- Tracer-wire
- Micro-cable
- Ruggedized cable

Our Polymer Offering

- EPC
- ETFE
- FEP
- Hytrel
- PFA
- Polyethylene
- Polypropylene
- Polyurethane
- PVC
- PVDF







EPC BARE PERFORMANCE

Operating Temperature Range	-65°C - 80°C
Chemical Resistance	\checkmark
Flame Resistance	x
UV Resistance	\checkmark
Flex Properties	\checkmark

ETFE BARE PERFORMANCE

Operating Temperature Range	-100°C - 150°C
Chemical Resistance	\checkmark
Flame Resistance	\checkmark
UV Resistance	\checkmark
Flex Properties	\checkmark

FEP

FEP BARE PERFORMANCE	
Operating Temperature Range	-195°C - 200°C
Chemical Resistance	\checkmark
Flame Resistance	\checkmark
UV Resistance	\checkmark
Flex Properties	0

HYTREL

HYTREL BARE PERFORMANCE

Operating Temperature Range	-70°C - 125°C
Chemical Resistance	\checkmark
Flame Resistance	\checkmark
UV Resistance	\checkmark
Flex Properties	\checkmark

This data is provided for informational purposes only, and does not constitute a specification. FIBER-LINE® makes no warranty, express or implied, that the product conforms to these values. Contact your FIBER-LINE® representative for exact product details which conform to your specific requirements.





PFA

POLYETHYLENE

PFA BARE PERFORMANCE

Operating Temperature Range	-200°C - 260°C
Chemical Resistance	\checkmark
Flame Resistance	\checkmark
UV Resistance	\checkmark
Flex Properties	\checkmark

POLYETHYLENE BARE PERFORMANCE

Operating Temperature Range	-65°C - 80°C
Chemical Resistance	\checkmark
Flame Resistance	x
UV Resistance	\checkmark
Flex Properties	0

POLYPROPYLENE

POLYPROPYLENE BARE PERFORMANCEOperating Temperature Range-45°C - 105°CChemical Resistance✓Flame Resistance✓UV Resistance✓Flex PropertiesX

POLYURETHANE

POLYURETHANE BARE PERFORMANCE

Operating Temperature Range	-55℃ -125℃
Chemical Resistance	✓
Flame Resistance	x
UV Resistance	\checkmark
Flex Properties	\checkmark

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PVC BARE PERFORMANCE

Operating Temperature Range	-55℃ - 105℃
Chemical Resistance	\checkmark
Flame Resistance	\checkmark
UV Resistance	\checkmark
Flex Properties	\checkmark

PVDF BARE PERFORMANCE

Operating Temperature Range	-40°C - 140°C
Chemical Resistance	\checkmark
Flame Resistance	\checkmark
UV Resistance	\checkmark
Flex Properties	\checkmark

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ABOUT FIBER-LINE®

For over 25 years, FIBER-LINE[®] has provided sciencedriven 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

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