

Everflon® Virgin Granular ETFE

High performance fluoroplastic material with excellent electrical properties and extreme toughness

EVERFLON® ETFE

Everflon® ETFE (ethylenetetrafluoroethylene) is a melt processable fluoroplastic resin that is ideal for wire coating and molding a wide variety of components. Everflon® ETFE grades have a recommended upper service temperature of 150°C.

BENEFITS

This fluoroplastic resin has a wide service temperature range with performance on par with traditional prime ETFE resins. In addition, its benefits include:

- Low flammability
- Chemical resistance
- Exceptional dielectric and electrical properties
- Superior mechanical toughness
- Abrasion resistant
- Environmentally robust

PROCESSING

Everflon® ETFE can be processed by conventional melt extrusion techniques and injection, compression, transfer, and blow molding processes. Special Everflon® ETFE grades are also available for applications involving rotational molding and where static dissipative or adhesion properties are required.

STORAGE AND HANDLING

Everflon® ETFE resins are not affected by storage time.

TECHNICAL SUPPORT

Everflon® product and technical support will be provided by Fluoropolymer Resources from our US facility.

APPLICATIONS

Wire and Cable Insulation: Everflon® ETFE is well suited for wire and cable insulation and jacketing applications. With a wide range of melt flow rates available, these grades are uniquely positioned to offer exceptional performance in many applications that require excellent toughness, electrical properties, and resistance to heat, flame, chemical and radiation.

Film: With excellent weatherability, UV stability, chemical and mechanical properties and low surface tension, Everflon® ETFE products are ideally suited for both cast and extruded film. Applications range from release films for aerospace molding, to architectural facades, to solar cells.

Tubing: The superior impact strength and abrasion resistance of Everflon® ETFE make them an excellent choice for high temperature tubing applications where increased mechanical strength is required. Typical industries would include aerospace, oil and gas exploration, and electrical and automotive.

Molded Parts: The combination of high performance properties and excellent creep resistance make Everflon® ETFE a superb candidate for injection, compression or transfer molded parts. Typical applications would include electrical components, connectors, valves, fasteners, coil forms, spigots, rods, and much more.



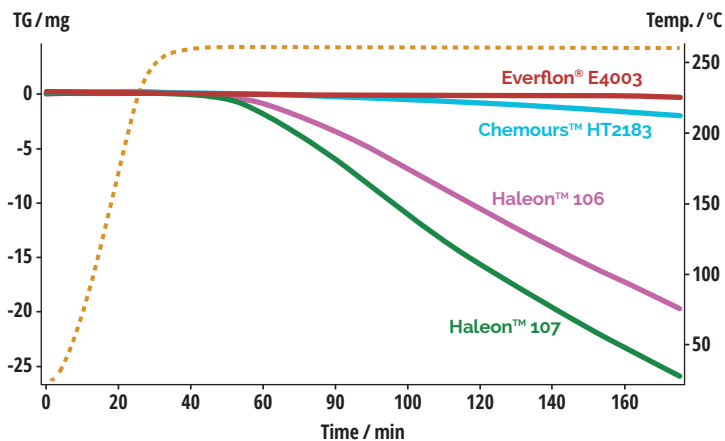
Everflon® Virgin Granular ETFE

Typical Property Data for Everflon® ETFE Fluoroplastic Resin
(Test Method: ASTM D3159)

Property	Unit	E4003	E4010	E4020
Melt Flow Rate	g/10 min	2~5	6~12	20~40
Tensile Strength	MPa(psi)	40 (4,000)	40 (4,000)	>> 40 (4,000)
Elongation	%	330	330	330
Melting Point	°C (°F)	260 (500)	260 (500)	260 (500)

NOTE: These results are based on laboratory tests, under controlled conditions, and do not reflect performance under actual fire conditions.

Comparison of Thermal Gravimetric Analysis at 260°C for 60 minutes and 120 minutes EVERFLON®, CHEMOURS™, HALEON™ PRIME VIRGIN ETFE



Temperature	260°C, 60 min.	260°C, 120 min.
Everflon® E4003	0.10 mg	0.20 mg
Chemours™ HT2183	0.49 mg	1.58 mg
Haleon™ 106	6.92 mg	17.23 mg
Haleon™ 107	11.04 mg	23.26 mg

PERFORMANCE

Everflon® ETFE has been formulated to assure the utmost performance and heat stability in your demanding applications. Rigorous testing has shown the products to be on par with the highest performing ETFE resins in the industry.

DATA SHEET

For specific grade information and applications, download our product data sheet from our website: frlusa.com



EVERFLON POLYMER CO.

Everflon Polymer Co., Ltd, part of the C&F group, is the foremost manufacturer of high performance fluoropolymer products in China. Always on the forefront of technology development, Everflon's mission is to produce the finest and most consistent quality of fluoropolymers in the world.



Fluoropolymer Resources, a division of Prime Materials Recovery, is the leading recycler of FEP, PFA and ETFE fluoropolymer plastics in North America, with products sold across the globe.

If you are looking for reliable fluoropolymers that perform under the most demanding applications, or need to extract unrealized value from your scrap materials, contact FRL today to speak with one of our experienced professionals about your specific needs.

Fluoropolymer Resources LLC

6 Industrial Park Road
North Windham, CT 06256

Everflon® is a trademark of hubei everflon polymer co., ltd., Fuqiao Industrial Park, C&F Avenue, Chaidian, Wuhan, China 43100

Chemours™ is a registered trademark of the Chemours Company

Haleon™ is a registered trademark of HaloPolymer, OJSC