



# Everflon<sup>+</sup>

## Color Concentrate and Resins

FEP  
PFA  
ETFE

## Description



Leveraging over 15 years of experience, Everflon+™ provides the reliable, budget-friendly solution for your fluoropolymers' color concentrate requirements. Specializing in the development and manufacturing of color concentrates, we blend our state-of-the-art techniques and technologies with our aesthetic expertise. Everflon+™ masterbatches provide clear advantages over pre-colored resin compounds by allowing our clients a more cost-effective solution.

Reap the benefits of excellent pigment dispersion in your final polymer mix with Everflon+™ masterbatch formulations for fluoro-

polymers. Pigment concentration and viscosity can be tailored to your specific application, and formulations are suitable for end-products with wall thicknesses that are as thin as one millimeter or 25 microns.

Whether you are producing wire insulation or jacketing, film, tubing and profile shapes or injection molded parts, speak to our team of experts to find the right solution for your needs. Colorants are based on specific high-performance resins from Everflon FEP PFA and ETFE.

When manufacturing our color batches, the color pigments are placed at a high concentration within fluoropolymer. Our customers use this color concentrate in a ratio of 5 – 10% to the basis polymer.

We can customize our color masterbatches to make them work on the basis of the desired raw material type or according to the requirements of the final product.

If, for technical reasons, a color masterbatch cannot be used, we offer a “ready-to-run” pre-colored material that is already colored according to customer specifications.



### We can help you:

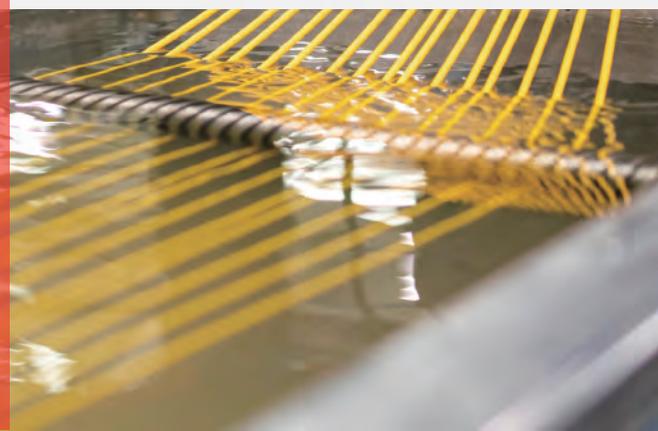
- Increase production throughput
- Reduce waste and scrap materials
- Reduce inventory
- Match your exact specification
- Fast-track to steady-state-production
- Gain productivity
- Become more competitive
- Enhance durability without compromising safety
- Support sustainability goals

# FLUOROPOLYMERS

With consistent quality for over 15 years, Everflon™ is the main company that provides the most reliable pre-colored fluoropolymer compounds and resins in the most efficient and cost-effective way. We harness new technology to stay ahead of challenges and changes in a constantly-evolving plastics industry.

Everflon™, the leading custom color compounder for consistently high-quality material, specializes in critical transparent, translucent and opaque applications. No matter your batch size, we can ensure a perfect batch run every single time. Our pre-color compounds provide exceptional dispersion, consistency, and color.

At Everflon™, we focus on minimizing your manufacturing costs and turnaround times by ensuring each batch is perfect. Our quality control team checks for color consistency as well as making sure the material has absolutely no contamination or black specs. Our years of experience within the fluoropolymers industry means we can provide unmatched consistency and quality with minimal



## The Basic Materials information of Everflon+ color concentrate

ITEM	UNIT	FEP CC46	PFA CC04	ETFE CC40
<b>Grade</b>		Everflon™ FEP 4630	Everflon™ PFA420	Everflon™ ETFE 4020
<b>MFI</b>	g/10min at 5kg	27-33	20-24	20-24
<b>Tensile</b>	<b>Mpa</b>	<b>&gt;20</b>	<b>&gt;20</b>	<b>&gt;30</b>
<b>Elogation</b>	%	>300	>300	>350
<b>RoHS</b>	2.0	Approved	Approved	Approved

### Main Benefits

- Outstanding chemical resistance
- Low friction (non-sticking)
- Excellent weatherability
- Excellent barrier properties
- Flame retardancy
- Temperature resistance (up to 260°C)
- Dielectric properties

### Applications

- Wire & cable
- Hoses, pipes, fittings, & tubing
- Injection molded parts
- Fibers & monofilaments
- Films & tapes
- Stock shapes

## Application Guide of Everflon+ Fluoropolymer Color Concentrate

Insulation Thickness	WT% with Pellets	Percentage %
0.1~0.15mm	1:10~20	5~10
0.2~0.25mm	1:20~30	3~5
0.3~0.5mm	1:30~50	2~3

Everflon+ color and additive or pre-colored concentrates are offered in various strengths and in different viscosities of carrier resins to suit the manufacturing process. They are available in a standard line of colors, as well as Pantone® and RAL matches. We also offer compounds and special services such as custom color design or combination concentrates containing color and additive and pre-colored solutions. Everflon+ color concentrates and pre-colored solutions are based on resins from the world's leading Everflon fluoropolymers. Contact us about your application needs, and we will collaborate with you to formulate the best solution for your challenges.

# COLOR CONCENTRATES & PRECOLORED SOLUTIONS

FEP PFA ETFE	1015	1003	3017
4010	3001	6017	5017
7012	8011	9005	9010

## COLORS

- 10 standard colors in various concentrate strengths
- Pre-colored products
- Heavy metal-free colors
- Special color design upon request using Pantone® or RAL color standards
- Customized pigment loadings can be provided to address specialized coloration needs
- Laser printable colors are available together with metallic effects

Color concentrate selection must take into account the following extrusion design requirements for the following typical applications:

### PRIMARY WIRE INSULATION

- Desired opacity or translucency of the insulation
- Wall thickness
- Conductor size and color
- Line speeds
- Processor screw design
- Insulation electrical requirements
- FDA compliance
- Biocompatible

### WIRE & CABLE JACKETING

- Desired opacity or translucency
  - Wall thickness
  - Processor screw design
  - Laser markability
- ### FILM, TUBING, & PROFILE SHAPES
- Desired opacity or translucency
  - Wall thickness
  - Extrusion dwell time and processing temperatures

### INJECTION MOLDING

- Desired opacity or translucency
- Part size and wall thickness



***For more information, visit [www.everflon.com](http://www.everflon.com)***

***For sales and technical support contact, please contact [info@everflon.com](mailto:info@everflon.com)***

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