



**FLUOROPOLYMER
RESOURCES**

Reprocessed Melt Fluoropolymer

Reliable and Highly Processable FEP, PFA and ETFE

WIRE AND CABLE • SEMICONDUCTOR • OIL & GAS • CHEMICAL PROCESSING • AEROSPACE

REPROCESSED FLUOROPOLYMERS FOR DEMANDING APPLICATIONS

Founded in 1991, Fluoropolymer Resources LLC (FRL) is a technically innovative recycler of melt fluoropolymers and supplies reprocessed fluoropolymers to a wide range of industries.

COST SAVINGS WITH NO PERFORMANCE SACRIFICE

- Returning reprocessed fluoropolymers to the supply chain in a form that is reliable, consistent, and highly processable
- Providing cost savings by assisting customers in qualifying and using reprocessed materials in production for high performance applications

CLEANING AND SEPARATING TECHNOLOGIES

FRL is able to return clean, stable pellets that do not compromise quality standards. FRL's plastic separation processes include:

- Fluoropolymer plastic identification
- Melt filtration
- Proprietary inspection methodologies for contamination
- Automated separation of dissimilar plastic

CONTROLLED PROCESSES AND VERIFICATION

Our products are delivered to customers with very tight MFR tolerances for maximum production efficiency in their facility. FEP, PFA, and ETFE products are:

- MFR verified
- Contamination quantified
- Thermal stability verified
- FTIR, T&E, Durometer, DSC, MIT tested
- Independently verified as requested

DEDICATED CUSTOMER SERVICE

With relationships up and down the fluoropolymer supply chain, we are able to meet rapid shifts in supply and demand cycles. With millions of pounds of fluoropolymer inventory, including FEP, PFA, and ETFE, we offer customers quick delivery, on-time and on-budget, every time.

PRODUCTS

Clear Offerings:

- High quality reprocessed fluoropolymers, returned to near-virgin quality
- No pigment or copper interface
- Resins: FEP, PFA, ETFE

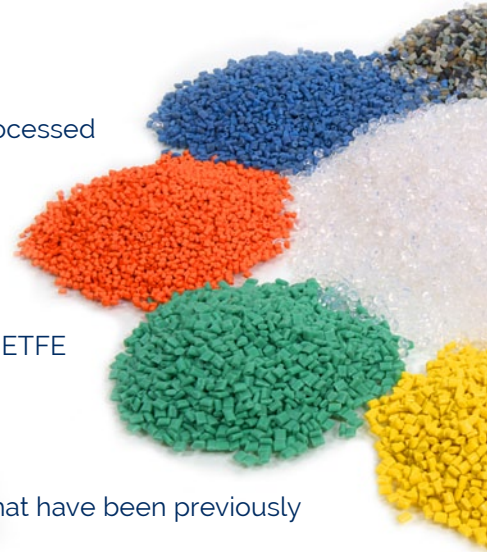
Colored Offerings:

- High quality reprocessed fluoropolymers that have been previously pigmented
- Cleaned of contaminants via FRL proprietary cleaning and separating technology
- Resins: FEP, PFA, ETFE

Toll Reclamation:

FRL will process your scrap and return clean, stable reprocessed pellets. We will reclaim:

- All of your bleed scraps
- Fluoropolymer from insulated copper on reels or in gaylords
- Solid or foamed insulation
- Jacketed cables



	FEP	PFA	Foamed FEP	ETFE
Melt Flow Rate (ASTM D 2116 - G/10 min +/- 1)	MFR 2 - 33	MFR 2 - 30	MFR 2 - 33	MFR 7 - 30
Specific Gravity (ASTM D 792)	2.12-2.17	2.12-2.17	2.14	1.7
Color	Customer Specified	Customer Specified	Customer Specified	Customer Specified
Tensile Strength (ASTM D 638)	Min 20 (Mpa)	Min 20 (Mpa)	Min 20 (Mpa)	Min 4 (Mpa)
Elongation (At break - ASTM D 638)	Min 300 (%)	Min 300 (%)	Min 20 (%)	Min 280 (%)
Melting Point (ASTM D 2116)	265°C (+/-10)	305°C (+/-10)	260°C (+/-10)	270°C (+/-10)
Continuous Service Temp	200°C	250°C		150°C
Pellet Configuration	Strand Cut	Strand Cut	Strand Cut	Strand Cut
Package	Poly-Lined Gaylord or Drum	Poly-Lined Gaylord or Drum	Poly-Lined Gaylord or Drum	Poly-Lined Gaylord or Drum
RoHS	Compliant	Compliant	Compliant	Compliant

FRL's reprocessed FEP is UL recognized (QMTM2 type – file E346136)



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

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