

Engineered Polymer Solutions

For corrosion resistance, high purity and release

Edlon® specializes in fluoropolymer solutions for corrosion resistance, ultra-high purity and release applications. Edlon is a world leader in key technologies, including Pure-Fusion™ seaming for loose and bonded linings, thick film industrial coatings, rotomolding/rotolining, vacuum and thermoforming, machining and iso-static molding. Each process utilizes proprietary fabrication techniques that ensure maximum levels of product purity while also providing exceptional chemical and corrosion resistance.

Corrosion Resistance

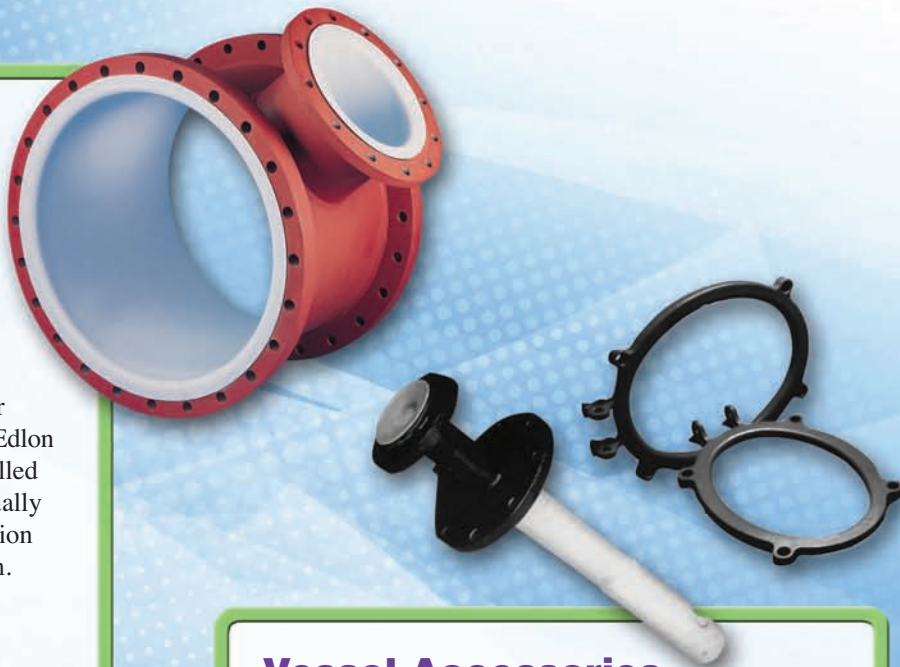
Edlon offers chemically inert, corrosion-resistant linings and coatings to ensure effective and worry-free solutions for aggressive chemical applications. These products provide corrosion protection at very high operating temperatures with smooth, non-stick surfaces, low-stress designs, low permeation characteristics and maximum bonding to the equipments' surfaces for use in the most demanding and critical services. Edlon utilizes a proprietary liner seaming technique called Pure-Fusion welding resulting in a smooth, virtually invisible seam with strength, tensile and elongation properties equal to the virgin fluoropolymer film.

• Vessel Linings and Coatings

- Bonded liners
- Loose liners
- Dual laminate construction
- Factory-applied thick film coatings
- Rotomolding and rotolining

• Columns and Internals

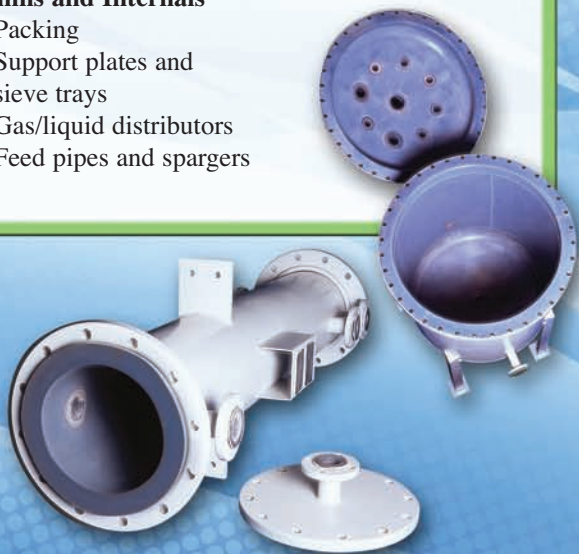
- Packing
- Support plates and sieve trays
- Gas/liquid distributors
- Feed pipes and spargers



Vessel Accessories

Produced in both standard and custom designs, fluoropolymer accessories from Edlon are manufactured using our vacuum forming, machining, iso-static molding and Pure-Fusion welding capabilities. All components feature uniform thicknesses with low permeation and microporosity for superior, high temperature corrosion resistance.

- Nozzle Liners and Manway Repair Shields
- Dip Tubes and Spargers
- Agitator Boots
- Ticklers, Vortex Breakers and Coated Baffles
- Coated Manway Covers and Protection Rings





High Purity Fluid Management

Edlon products achieve exceptional levels of process purity by offering the broadest scope of products and capabilities in the industry, as well as proprietary technologies like Pure-Fusion fluoropolymer seaming. Ultra-pure fluoropolymer products provide significant benefits that include: high levels of purity, low particle shedding and low (parts per trillion) metal ion contamination, along with inherent corrosion and chemical resistance.

• Guardian® Day and Storage Tanks

- Bulk chemical distribution
- CMP slurry tanks
- Transport tanks, totes and vessels
- Dual laminate construction

• Rotomolded and Rotolined Components

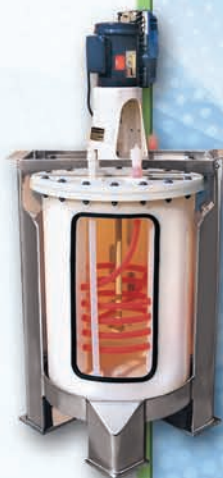
- Wafer carriers
- Etch and rinse tanks

• Vacuum and Thermoformed Liners

- Vessel heads fabricated in one piece
- Low-stress nozzles
- Complex shapes

• Mixing

- Static mixers
- High velocity mixers
- Gas, liquids and solids blending



Release Applications

Edlon provides roll release solutions to the paper-making and converting industries that include heat-shrinkable Teflon® roll covers and Roll-Coat™ spray-applied coatings. These solutions eliminate many of the traditional roll problems associated with paper production such as build-up, corrosion and frequent downtime for cleaning and maintenance. With proprietary On-Machine Seaming™ (OMS) technology, field service technicians can install a heat-shrinkable sleeve without removing the dryer cylinder from the paper machine. All covers are compatible with a variety of substrates including aluminum, brass, stainless steel, fiberglass, carbon steel and rubber.

• Heat-shrinkable Roll Cover Applications

- Fine paper fabrication and conversion
- Absorbents, adhesive and sticky substance application processes
- Multi-layer barrier packaging conversion

• Roll Coating Advantages

- Release characteristics
- Insulation and barrier protection

• Custom Installation and Value Added Services

- Field installation
- Roll exchange programs
- Custom profile grinding

Customer Support

Engineering Expertise

With 40+ years of fluoropolymer processing, we excel in adapting the unique properties of fluoropolymers to a wide range of geometries and product applications. Our organization is adept at combining just the right processes and materials to achieve exceptional products and value for our customers.

Field Service

Edlon provides experienced, trained technicians for on-site inspection and repair of lined and coated vessels. Edlon technicians are trained in vessel entry and safety procedures and are flexible and responsive to customers' tight timelines.



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