



ETFE - Ethylenetetrafluoroethylene

Properties

Background

- n ETFE is used in applications requiring excellent impact resistance and good resistance to stress cracking. The resin maintains these properties up to its continuous working temperature of 300°F (149°C). ETFE is the resin of choice for applications requiring a fluoropolymer with superior mechanical properties.



Key Properties

- n Chemical resistance and inertness
- n Gamma, ETO, e-beam and autoclave sterilizability
- n Excellent impact resistance
- n Increased durability and stiffness over other fluoropolymers
- n Higher pressure rating than other fluoropolymers
- n Higher tensile strength and creep resistance than other fluoropolymers
- n Greater crush resistance than other fluoropolymers

Additional Properties

- n Radiation Resistance
- n Melt weldability and thermoformability
- n Flame rating- UL 94VO
- n Limiting oxygen index- 30

YOZONE Capabilities

- n Etching capability for bonding
- n Fillers available for material modification
 - Radio opaque
 - Carbon
 - Pigments
- n Tight tolerance extrusions
- n Extruded forms
 - Tubing
 - Lay-flat tubing
 - Special profiles
 - Monofilament
 - Multi-lumen

