

ETFE EP-7000

Characteristics

ETFE EP-7000 is a functionalized fluoropolymer specifically designed for the Automotive Industry. This resin has an excellent permeation resistance toward gasoline or flexible fuel and adheres well to many kinds of plastics without adhesive or etching.

ETFE EP-7000 can be easily co-extruded into multilayer tubing and offers the following advantages for automotive applications.

Excellent permeation resistance toward gasoline or flexible fuel

Increased temperature resistance

Great chemical resistance

Co-extrusion with other resins (such as nylons, ETFE, EFEP, etc.) without adhesive or etching

Very good cold impact resistance

Superior bio-diesel compatibility

Properties*	Test Method	EP-7000
Specific Gravity g/cc	ASTM D-792	1.740 - 1.790
Melting Point (DSC) °C	ASTM D-3159	251 - 259
MFR, 297° C, g/10 min	ASTM D-3159	18.0 - 23.2
Tensile Strength, MPa	ASTM D-3159	30 - 50
Elongation %	ASTM D-3159	365 - 525
Permeation Resistance g.mm/m ² .day	CE-10, 60°C	2.5

*Typical properties are not suitable for specification purposes.

Safety

When EP-7000 resin is heated to temperatures above 340°C, some decomposition products may be given off. These decomposition products may be harmful, and inhalation of these fumes must be avoided. Process equipment and working area must be adequately ventilated.