

MATERIAL DATASHEET

Material Reference:

FLUORINOID® FL300

ETFE (copolymer of ethylene and tetrafluoroethylene)

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> **Description** >

FL300 is a rugged thermoplastic fluoropolymer with an outstanding balance of properties and a continuous use temperature rating of 150°C. ETFE is weather resistant and inert to most solvents and chemicals. It is an excellent low loss dielectric with a uniformity of electrical properties not found in other thermoplastics. It can be used architecturally as a film for weather protection due to its excellent tear resistance and light transmission.

The material is also good for use as Distance Strips and Blister Strips in Ammonia production due to its chemical and electrical resistance along with FL305 PFA.

> **Typical Physical Properties from Compression Molding#**

Properties	Value	Method
Specific Gravity	1.68-1.78	ASTM D792
Tensile Strength	min. 25 MPa	ISO 13000-2
Elongation	min. 150%	ISO 13000-2
Hardness Shore D	63-73	ISO 868

These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.