

**MATERIAL REFERENCE – FLUORINOID® FL 300**

**DESCRIPTION**            ETFE (copolymer of ethylene and tetrafluoroethylene)

FL 300 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**

SPECIFIC GRAVITY	(ASTM D792)	1.68-1.78
TENSILE STRENGTH	(ISO 13000-2)	Min 25 MPa
ELONGATION	(ISO 13000-2)	Min 150 %
HARDNESS SHORE D	(ISO 868)	63-73

# 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.

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