

ECTFE Film

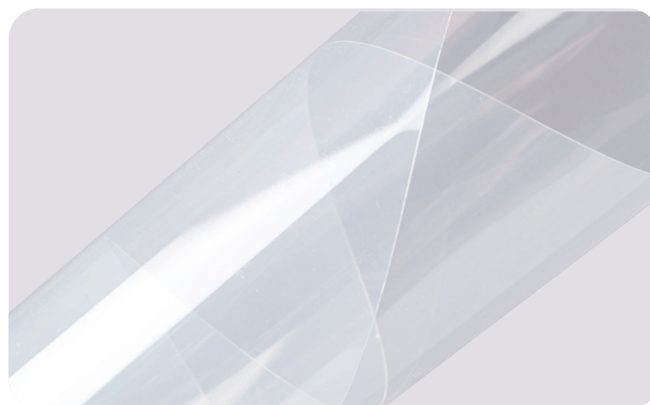
Flonfilm™ 400

FLONFILM™ 400 ECTFE film is manufactured from Ethylene ChloroTriFluoroEthylene (ECTFE). This material offers outstanding performance over a wide temperature range from cryogenic -200 °C (-328 °F) to 165 °C (330 °F). ECTFE film provides the highest abrasion resistance of any fluoropolymer film, enjoys superior chemical compatibility, high tensile strength and flexural modulus.









Applications

ECTFE film exhibits low surface energy and low specific gravity allowing for very good release performance but also providing a higher standard roll yield in square metres/kg than FEP film making it much more economically attractive for composite fabrication.

The combination of heat stability, electrical characteristics and barrier properties of ECTFE film results in high insulation performance lending itself very well to the electrical & electronics industries, typical applications being cable and capacitor insulation. Thanks to its excellent weatherability and resistance to high energy radiation, ECTFE film is used extensively in the construction of solar collectors and with a UL V-0 flammability rating, is used in the production of aircraft cabin interiors and fuel cell membranes.



Key features

-  Outstanding release properties
-  Temperature range of -200°C (-328 °F) to 165°C (330 °F)
-  High dielectric strength
-  Excellent chemical, radiation, weather & abrasion resistance
-  UL V-0 flammability rating
-  Good barrier properties
-  Can easily be thermoformed: welded, fabricated & laminated
-  Produced & converted in clean room conditions

Availability of ECTFE Film

Polyflon offers ECTFE film in semi-finished form on standard rolls or converted into finish cut, thermoformed or punched parts.

Thickness		Std Roll Length
mm	inches	meters
0.0127	0.0005	367
0.0254	0.001	184
0.0508	0.002	91
0.127	0.005	37
0.1905	0.0075	24
0.254	0.010	18

Standard roll width: 1220mm (48") @ 9.5kg.

Slit widths from 12.7mm (1/2") up to max width 1625mm (64").

Natural as standard, blue & white available upon request.