

Technical Datasheet

FEP

Description

FEP is a transparent, fluorocarbon film that has excellent chemical and temperature resistance. It is resistant to practically all chemicals other than molten alkali metals, gaseous fluorine, and certain complex halogenated compounds such as chlorine trifluoride at elevated temperatures and pressures.

FEP exhibits very low permeability to liquids, gases, moisture, and organic vapors. For septa, it is predominantly used in conjunction with Butyl and Natural Rubber polymers.

Mechanical Properties

Actual Value

Colors: Clear

Sample Thickness	.001 (1 mil)
Tensile Strength at Break	3000 psi
Elongation (%)	300%
Tear Strength – Initial (Graves)	270g force
Thermal Melt Point	500-536F (260-280C)



Information Supplied Courtesy of DuPont

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