

Insulations and Jackets

Table 6: Comparative Properties of **Fluoropolymer** Insulating and Jacketing Compounds

Properties	FEP Teflon®	Tefzel® (ETFE)	PTFE Teflon®
Oxidation Resistance	O	E	O
Heat Resistance	O	E	O
Oil Resistance	O	E	E-O
Low-temperature Flexibility	O	E	O
Weather, Sun Resistance	O	E	O
Ozone Resistance	E	E	O
Abrasion Resistance	E	E	O
Electrical Properties	E	E	E
Flame Resistance	O	G	E
Nuclear Radiation Resistance	P-G	E	P
Water Resistance	E	E	E
Acid Resistance	E	E	E
Alkali Resistance	E	E	E
Aliphatic Hydrocarbons Resistance (Gasoline, Kerosene, etc.)	E	E	E
Aromatic Hydrocarbons Resistance (Benzol, Toluol, etc.)	E	E	E
Halogenated Hydrocarbons Resistance (Degreaser Solvents)	E	E	E
Alcohol Resistance	E	E	E
Underground Burial	E	E	E

FEP = Fluorinated Ethylene-Propylene • ETFE = Ethylene Tetrafluoroethylene • PTFE = Polytetrafluoroethylene
 P = Poor • F = Fair • G = Good • E = Excellent • O = Outstanding

These ratings are based on average performance of general purpose compounds.
 Any given property can usually be improved by the use of selective compounding.

Teflon® and Tefzel® are DuPont trademarks.