Comparative Properties of Fluoropolymers

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

P = POOR	**G** = GOOD	**F** = FAIR
E = EXCELLENT	**O** = OUTSTANDING	

	FEP TEFLON	TEFZEL (ETFE)	TFE TEFLON	SOLEF/KYNAR (PVDF)/PVF	HALAR (E-CTFE)
Oxidation Resistance	O	E	O	O	O
Heat Resistance	O	E	O	O	O
Oil Resistance	O	E	E - O	E	O
Low Temperature Flexibility	O	E	O	F	O
Weather, Sun Resistance	O	E	O	E - O	O
Ozone Resistance	E	E	O	E	E
Abrasion Resistance	E	E	O	E	E
Electrical Properties	E	E	E	G - E	E
Flame Resistance	O	G	E	E	E - O
Nuclear Radiation Resistance	P - G	E	P	E	E
Water Resistance	E	E	E	E	E
Acid Resistance	E	E	E	G - E	E
Alkali Resistance	E	E	E	E	E
Gasoline, Kerosene, Etc. (Aliphatic Hydrocarbons) Resistance	E	E	E	E	E
Benzol, Toluol, Etc. (Aromatic Hydrocarbons) Resistance	E	E	E	G - E	E
Degreaser Solvents (Halogenated Hydrocarbons) Resistance	E	E	E	G	E
Alcohol Resistance	E	E	E	E	E
Underground Burial					