



COMPARATIVE JACKET PROPERTIES*

Jacket Properties	Jacket Types									
	Polyvinyl Chloride (PVC)	Low Density Polyethylene (LDPE)	High Density Polyethylene (HDPE)	Thermoplastic Chlorinated Polyethylene (TP-CPE)	Thermoset Chlorinated Polyethylene (TS-CPE)	Chloro-sulfonated Polyethylene (CSPE)	Thermoplastic Elastomer (TPE)	Aliphatic Polyamides (Nylon)	FEP Teflon** (FEP)	Polyurethane (PUR)
Abrasion Resistance	F-G	F-G	E	E	G-E	G	F	E	E	O
Acid Resistance	G-E	G-E	G-E	G-E	E	E	G	P-F	E	F
Alcohol Resistance	G-E	E	E	G	G-E	G	E	P	E	P-G
Alkali Resistance	G-E	G-E	G-E	G-E	E	E	G	E	E	F
Benzol, Toluol (Aromatic Hydrocarbons) Resistance	P-F	P	P	G	F	F	P	G	E	P-G
Degreasers (Halogenated Hydrocarbons) Resistance	P-F	P	P	F	P	P-F	P	G	E	P-G
Electrical Properties	F-G	E	E	G	F-G	G	G	F	E	P
Flame Resistance	G	P	P	E	G	G	F	P	O	P
Gasoline, Kerosene, etc. (Aliphatic Hydrocarbons) Resistance	G	P-F	P-F	G	F	F	P	G	E	P-G
Heat Resistance	G-E	G	E	G-E	E	E	G	E	O	G
Low Temp. Flexibility	P-G			G	F	F	E	G	O	G
Nuclear Radiation Resistance	P-F	G	G	G-E	G	G	F	F-G	P-F	G
Oil Resistance	E	G-E	G-E	E	G-E	G	P	E	O	E
Oxidation Resistance	E	E	E	E	E	E	E	E	O	E
Ozone Resistance	E	E	E	E	G-E	E	E	E	E	E
Water Resistance	G-E	E	E	E	G-E	G-E	E	P-F	E	P-G
Weather & Sun Resistance	G-E	E	E	E	E	E	E	E	O	G

* Material properties can be modified with selective compounding.

**Teflon is a DuPont trademark.

Comparative Measurements:

- P: Poor
- F: Fair
- G: Good
- E: Excellent
- O: Outstanding