

# CONVERSION CHARTS

## Comparative Properties of Plastic

	PVC	LOW-DENSITY POLYETHYLENE	CELLULAR POLYETHYLENE	HIGH-DENSITY POLYETHYLENE	POLY- PROPYLENE	CELLULAR POLYPROPYLENE	POLY- URETHANE	NYLON	CPE
Oxidation Resistance	E	E	E	E	E	E	E	E	E
Heat Resistance	G-E	G	G	E	E	E	G	E	E
Oil Resistance	F	G-E	G	G-E	F	F	E	E	E
Low Temperature Flexibility	P-G	E	E	E	P	P	G	G	E
Weather, Sun Resistance	G-E	E	E	E	E	E	G	E	E
Ozone Resistance	E	E	E	E	E	E	E	E	E
Abrasion Resistance	F-G	G	F	E	F-G	F-G	O	E	E-O
Electrical Properties	F-G	E	E	E	E	E	P	P	E
Flame Resistance	E	P	P	P	P	P	P	P	E
Nuclear Radiation Resistance	F	G-E	G	G-E	F	F	G	F-G	O
Water Resistance	F-G	E	E	E	E	E	P-G	P-F	O
Acid Resistance	G-E	G-E	G-E	E	E	E	F	P-F	E
Alkali Resistance	G-E	G-E	G-E	E	E	E	F	E	E
Gasoline, Kerosene, Etc. (Aliphatic Hydrocarbons) Resistance	P	G-E	G	G-E	P-F	P	P-G	G	E
Benzol, Toluol, Etc. (Aromatic Hydrocarbons) Resistance	P-F	P	P	P	P-F	P	P-G	G	G-E
Degreaser Solvents (Halogenated Hydrocarbons) Resistance	P-F	G	G	G	P	P	P-G	G	E
Alcohol Resistant	G-E	E	E	E	E	E	P-G	P	E
Underground Burial	P-G	G	N/A	E	N/A	N/A	G	P	E-O

**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.