

## Comparative Properties of Insulation: Plastic

**P = Poor** | **F = Fair** | **G = Good** | **E = Excellent** | **O = Outstanding**

Above ratings are based on average performance of compounds. Any specific property can often be improved by the use of selection compounding. Teflon® is a registered trademark of DuPont

### Polyethylene

	CELLULAR	HIGH-DENSITY	LOW-DENSITY	NYLON	POLY-PROPYLENE	POLY-URETHANE	PVC	TEFLON®
Acid Resistance	G to E	G to E	G to E	P to F	E	F	G to E	E
Abrasion Resistance	G	E	F to G	E	F to G	O	F to G	G to E
Alcohol Resistance	E	E	E	P	E	P	G	E
Alkali Resistance	G to E	G to E	G to E	E	E	F	G	E
Benzol (Aromatic Hydrocarbons) Resistance	P	P	P	G	P to F	P	P to F	E
Degreaser Solvents (Halogenated Hydrocarbons)	P	P	P	G	P	P	P to F	E
Electrical Properties	E	E	E	F	E	P to F	F to G	E
Flame Resistance	P	P	P	P	P	P	E	O
Gasoline, Kerosene (Aliphatic Hydrocarbons) Resistance	P to F	P to F	P to F	G	P to F	F	P	E
Heat Resistance	G to E	E	G	E	E	G	G to E	O
Low Temperature Flexibility	E	E	G to E	G	P	G	P to G	O
Nuclear Radiation Resistance	G	G	G	F to F	F	G	P to G	O
Oil Resistance	G to E	G to E	G to E	E	E	E	P	O
Oxidation Resistance	E	E	E	E	E	E	E	O
Ozone Resistance	E	E	E	E	E	E	E	E
Water Resistance	E	E	E	P to F	E	P	E	E
Weather - Sun Resistance	E	E	E	E	E	F to G	G to E	O