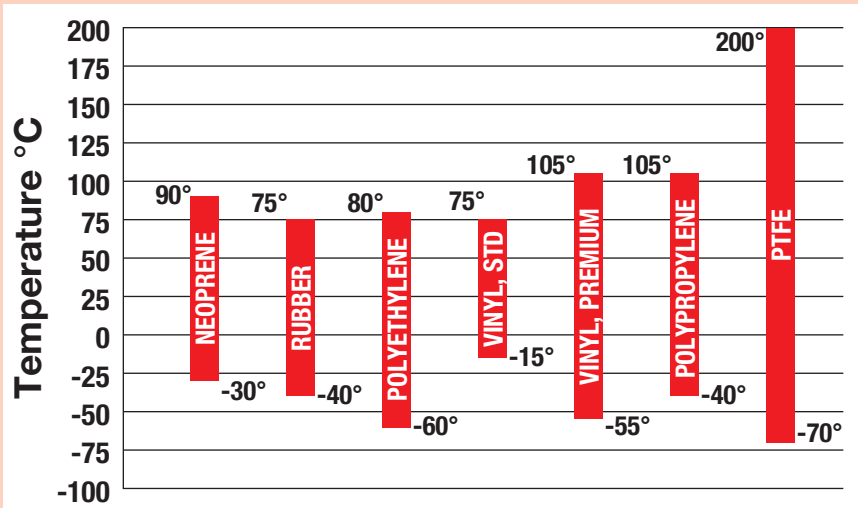


Temperature Range of Insulation Materials



Comparative Properties of Insulation Materials

	PVC	Low-Density Polyethylene	Cellular Polyethylene	High-Density Polyethylene	Polypropylene	Polyurethane	PTFE
Oxidation Resistance	E	E	E	E	E	E	O
Heat Resistance	G-E	G	G-E	E	E	G	O
Oil Resistance	F	G-E	G-E	G-E	E	E	O
Low Temperature Flexibility	P-G	G-E	E	E	P	G	O
Weather, Sun Resistance	G-E	E	E	E	E	F-G	O
Ozone Resistance	E	E	E	E	E	E	E
Abrasion Resistance	F-G	F-G	G	E	F-G	O	G-E
Electrical Properties	F-G	E	E	E	E	P-F	E
Flame Resistance	E	P	P	P	P	P	O
Nuclear Radiation Resistance	P-F	G	G	G	F	G	P-F
Water Resistance	E	E	E	E	E	P	E
Acid Resistance	G-E	G-E	G-E	G-E	E	F	E
Alkali Resistance	G-E	G-E	G-E	G-E	E	F	E
Gasoline, Kerosene, Etc. (Aliphatic Hydrocarbons) Resistance	G-E	P-F	P-F	P-F	P-F	F	E
Benzol, Toluol, Etc. (Aromatic Hydrocarbons) Resistance	P-F	P	P	P	P-F	P	E
Degreaser Solvents (Halogenated Hydrocarbons) Resistance	P-F	P	P	P	P	P	E
Alcohol Resistance	G-E	E	E	E	E	P	E

P=poor F=fair G=good E=excellent O=outstanding

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