

Properties of Insulation & Jacket materials

	Thermoplastic					Thermosetting				
	TPU Polyurethane	LDPE Low density Polyethylene	HDPE High density Polyethylene	PP Poly- propylene	PVC Polyvinyl Chloride	CR Neoprene (Poly- chloroprene)	CPE Chlorinated Polyethylene	XLPE Cross-linked Polyethylene	Hypalon Chloro- Sulfonated Polyethylene	EPR Ethylene Propylene Rubber
Water resistance	Poor - Good	Very good	Very good	Very good	Fair - Good	Very good	Good - Very good	Good - Very good	Very good	Good - Very good
Oil resistance	Very good	Good - Very good	Good - Very good	Fair	Fair	Good	Good - Very good	Good	Very good	Poor
Abrasion resistance	Excellent	Good	Very good	Fair - Good	Fair - Good	Good - Very good	Good - Very good	Fair - Good	Good	Good - Very good
Flame resistance	Poor	Poor	Poor	Poor	Very good	Good	Good	Poor	Good	Poor
Heat resistance	Good	Good	Very good	Very good	Good - Very good	Good	Excellent	Good	Very good	Very good
Weather resistance	Good	Very good	Very good	Very good	Good - Very good	Good	Very good	Good	Very good	Very good
Sunlight resistance	Good	Very good	Very good	Very good	Good - Very good	Good	Very good	Good	Very good	Very good
Ozone resistance	Very good	Very good	Very good	Very good	Very good	Good	Good - Very good	Good	Very good	Very good
Low temp flexibility	Good	Very good	Very good	Poor	Poor - Good	Fair-Good	Fair	Excellent	Fair	Good - Very good
Oxidation resistance	Very good	Very good	Very good	Very good	Very good	Good	Very good	Very good	Very good	Very good
Acid resistance	Fair	Good - Very good	Very good	Very good	Good - Very good	Good	Very good	Good - Very good	Very good	Good - Very good
Alcohol resistance	Poor - Good	Very good	Very good	Very good	Good - Very good	Fair	Good - Very good	Very good	Good	Poor
Gasoline resistance	Poor - Good	Good - Very good	Good - Very good	Poor - Fair	Poor	Good	Fair	Fair	Fair	Poor
Electrical properties	Poor	Very good	Very good	Very good	Fair - Good	Poor	Fair - Good	Very good	Good	Very good

