



GENERAL PROPERTIES OF RUBBER

ASTM DESIGNATION	COMMON NAME	COMPOSITION	GENERAL PROPERTIES
CR	Neoprene	Chlorprene	Good weathering resistance. Flame Retarding. Moderate resistance to petroleum based fluids. Good physical properties.
NR	Natural	Isoprene, Natural	Excellent physical properties including abrasion and low temperature resistance. Poor resistance to petroleum based fluids.
IR	Polyisoprene	Isoprene, Synthetic	Same properties as natural rubber.
IIR	Butyl	Isobutene-Isoprene	Very good weathering resistance. Low permeability. Good physical properties. Poor resistance to petroleum based fluids.
CIIR	Chlorinated Butyl	Chloro-Isobutene-Isoprene	Same general properties as butyl-see above.
NBR	Buna N	Acrylonitrile-Butadiene	Excellent resistance to petroleum based fluids. Moderate resistance to aromatics. Good physical properties.
SBR	SBR	Styrene-Butadiene	Good physical properties, including abrasion resistance. Poor resistance to petroleum based fluids.
CSM	Hypalon	Chloro-Sulfonyl Polyethylene	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance to petroleum based fluids.
EA	Vamac	Ethylene-Acrylic Elastomer	Outstanding heat, ozone and oil resistance.
EPDM	Ethylene Propylene Rubber	Ethylene-Propylene-Diene-Terpolymer	Excellent ozone, chemical and aging characteristics. Poor resistance to petroleum based fluids.
UHMWPE	Polyethylene	Polyethylene Monomeric Plastic	Excellent chemical resistance. Low permeability. Low coefficient to friction.
TEFLON/FEP	Teflon	Fluorinated Ethylene Propylene	Excellent chemical resistance to almost all chemicals. Low coefficient to friction, high strength at elevated temperatures, low permeability. Excellent electrical properties, flame resistance.
X-LINK	Cross-Linked Polyethylene	Polyethylene and Cross Linking Agents	Excellent chemical resistance with good heat and electrical properties.
MOD. P.E.	Modified Cross-Linked Polyethylene	Proprietary	Excellent chemical resistance with good heat and electrical properties.