

## General Purpose - Non Oil Resistant

FLUID CHART KEY	(1)	(2)	(3)	(4)
TYPE OF RUBBER	Natural Rubber NR	Butadiene Styrene SBR	Butyl	Ethylene Propylene EPM
Material and ASTM Designation	Isoprene	Butadiene	BR	EPM
CHEMICAL GROUP	Poly Isoprene	Poly Butadiene Butadiene Styrene Copolymer	Isobutylene Isoprene Polymer	Ethylene Propylene Copolymer and Terpolymer
GENERALLY RESISTANT TO	Most moderate chemicals, Wet of Dry, Organic acids, Alcohols, Ketones, Aldehydes	Similar to Natural Rubber	Animal and Vegetable Oils, Greases, Ozone, Strong and Oxidizing Chemicals	Animal and Vegetable Oils, Greases, Ozone, Strong and Oxidizing Chemicals
GENERALLY ATTACKED BY	Ozone, Strong Acids, Fats, Oils, Greases, Most Hydrocarbons	Similar to Natural Rubber	Petroleum Solvents, Coal Tar Solvents, Aromatic Hydrocarbons	Mineral Oils, and Solvents, Aromatic Hydrocarbons

## General Purpose - Oil Resistant

FLUID CHART KEY	(5)	(6)	(7)	(8)	(9)
TYPE OF RUBBER	Nitrile	Epichlorohydrin	Neoprene	Hypalon	Urethane
Material and ASTM Designation	NBR	CO ECO	CR	CSM	AU EU
CHEMICAL GROUP	Butadiene Acrylonitrile Copolymer	Epichlorohydrin Polymer and Copolymer	Chloroprene Polymer	Chlorosulfonated Polyethylene	Urethane Polymer
GENERALLY RESISTANT TO	Many Hydrocarbons, Fats, Oils, Greases, Hydraulic Fluids, Chemicals	Similar to Nitrile with Ozone resistance	Moderate Chemicals and Acids, Ozone, Oils, Fats, Greases, Many Oils and Solvents	Similar to Neoprene with Improved Acid Resistance	Ozone, hydrocarbons, moderate chemicals, fats,
GENERALLY ATTACKED BY	Ozone * Ketones, Esters, Aldehydes, Chlorinated and Nitro Hydrocarbons, *except PVC Blends	Ketones, Esters, Aldehydes, Chlorinated and Hydrocarbons	Strong Oxidizing Acids, Esters, Ketones, Chlorinated, Aromatic, and Hydrocarbons	Concentrated Oxidizing Acids, Esters, Ketones, Chlorinated, Aromatic, and Hydrocarbons	Ozone, Hydrocarbons, Moderate Chemicals, Fats,

## Specialty Elastomers

FLUID CHART KEY	(10)	(11)	(12)	(13)	(14)
TYPE OF RUBBER	Polyurethane	Silicone	Fluoro Silicone	Fluoro Elastomer	Poly Acrylate
Material and ASTM Designation	T	SI	FSI	FPM	ACM
CHEMICAL GROUP	Organic Polyurethane Polymer	Organic Silicone Polymer	Fluorinated Organic Silicone Polymer	Fluorocarbon Polymer	Copolymer of Acrylic Ester and Acrylic Halide
GENERALLY RESISTANT TO	Ozone, Oils, Solvents, Thinners, Ketones, Esters, Aromatic Hydrocarbons	Moderate or Oxidizing Chemicals, Ozone, Concentrated Sodium Hydroxide	Moderate or Oxidizing Chemicals, Ozone, Aromatic Chlorinated Solvents, Bases	All Aliphatic, Aromatic, and Halogenated Hydrocarbons, Acids, Animal and Vegetable Oils	Ozone, Extreme Pressure Lubricants, Hot Oils, Petroleum Solvents, Animal and Vegetable Fats
GENERALLY ATTACKED BY	Mercaptans, Chlorinated Hydrocarbons, Nitro Hydrocarbons, Ethers, Amines, Heterocyclics	Many Solvents, Oils, Concentrated Acids, Dilute Sodium Hydroxide	Brake Fluids, Hydrolyzing Ketones	Ketones, Low Mole Weight Esters and Nitro Containing Compounds	Water, Alcohols, Glycols, Alkali, Esters, Aromatic Hydrocarbons, Halogenated Hydrocarbons Phenol