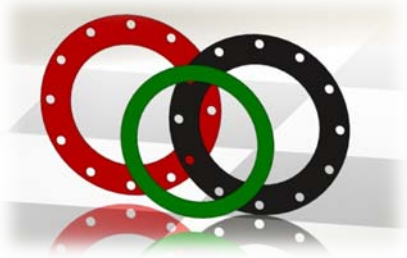
GASKETS – BASIC COMPOUNDS & PROPERTIES



				GENERAL CHEMICAL RESISTANCE	
COMMON NAME(S)	**DESIGNATION**	**COMPOSITION**	**GENERAL PROPERTIES**	**RESISTANCE TO**	**ATTACKED BY:**
Neoprene	CR	Chloroprene	Good weathering. Resistance and flame retarding. Good resistance to petroleum based fluids.	Moderate chemicals and acids, ozone, oils, fats, greases and many solvents.	Strong oxidizing acids, esters, ketones, chlorinated, aromatic and nitro hydrocarbons
EPDM	APM	Ethylene-propylendiene-molimers	Excellent ozone, chemical and aging resistance. Excellent heat resistance. Poor resistance to petroleum based fluids.	Heat, ozone, strong oxidizing chemicals and acetone.	Petroleum based fluids, animal fats, solvents and greases.
Buna-N	NBR	Nitrile-butadiene	Excellent resistance to petroleum based fluids. Good Physical properties.	Many hydrocarbons, fats, oils, hydraulic fluids and chemicals.	Ozone (except PVC blends), ketones, esters, aldehydes, chlorinated and nitro hydrocarbons.
Silicones	Q, Si	Polysiloxane	Excellent high and low temperature properties. Good oil resistance. FDA compound. Good physical properties.	Moderate chemicals and acids, ozone, oils, fats, greases and concentrated sodium hydroxide.	Many solvents, high aromatic hydrocarbons, concentrated acids, dilute sodium hydroxide.
SBR (Red Rubber)	SBR	Styrene-butadiene	Good physical properties and abrasion resistance. Poor resistance to petroleum based fluids.	Most moderate chemicals wet or dry, organic acids, alcohols, ketones and aldehydes.	Ozone, strong acids, animal fats, oils, greases and most hydrocarbons.
Viton (Flouro-elastomer)	FPM	Hexafluoropropylene-vinylidene flouride	Excellent oil and air resistance at low and high temperatures. Excellent chemical resistance.	All aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils.	Ketones, low molecular weight esters and nitro containing compounds.
Teflon® (Fluorocarbon resin)	TFE	Polytetraflouroethylene	Excellent chemical and solvent resistance. Resistant to very high temperatures.	Inert to most chemicals, smooth anti - adhesive surface. Easily cleaned.	Acetates, NA-K and some amino acids.
Non Asbestos	NA	Aramid fiber and synthetic fibers bonded with NBR.	General Service water & oil gasket. Pressures to 1595 psi, Temp to 750° F.	Mild acids, Alkalis, Oils, general chemicals & petroleum derivatives and steam.	Consult customer service for chemical compatibility.

The chemical guidleins in this table are offered as a general indication of the compatibility of various materials with chemicals and fluids listed.

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