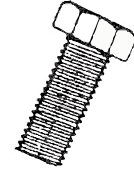


CAIN BOLT & GASKET INC.



GENERAL RECOMMENDATIONS FOR ELASTOMER COMPOUNDS

BUNA - Nitrile, N.B.R., Hycor Chemigum, Paracril Krynac, Tylac)

Good resistance to alcohols, amines, petroleum oils, and gasolines over a wide range of temperatures. Also good resistance to caustics and salts. Fair acid resistance.

Poor in strong oxidizing agents, chlorinated hydrocarbons, ketones and esters.

Temp range -65°F to $+250^{\circ}\text{F}$

NATURAL

Good resistance to acids, alkalis, salts and chlorine solutions.

Not resistant to hydrocarbons (oils, crude, motor oil, etc.) Temp. range 0 to $+175^{\circ}\text{F}$.

ETHYLENE ACRYLIC (Vamac)

Good resistance to high temperatures, petroleum-based oils, hydraulic fluids, glycol-based coolants, ozone and weathering. Not recommended for organic solvents or aromatic fluids. Temp range -60°F to $+350^{\circ}\text{F}$.

ETHYLENE PROPYLENE/SILICONE (Royaltherm)

Good resistance to high temperature, hydraulic fluids, glycol-based engine coolants, ozone and weathering, high-pressure steam. Not recommended for organic solvents, petroleum-based oils, organic acids.

Temp range -65°F to $+375^{\circ}\text{F}$.

CHLOROPRENE (Neoprene)

Good in moderate acid, alkali and salt solutions. Resistant to commercial oils and fuels. Poor in chromic and nitric acids, aromatics or chlorinated hydrocarbons. Temp. range 0 to $+175^{\circ}\text{F}$.

BUTYL (IIR)

Good resistance to strong acids, salts, alkalis, and chlorine solutions. Good resistance to weathering, sunlight and ozone. Has long service life at temperatures up to 300°F . Poor oil resistance.

Temp. range -30°F to $+300^{\circ}\text{F}$

EPT or EPDM (ETHYLENE PROPYLENE TERPOLYMER

or ETHYLENE PROPYLENE DIENE MONOMER)(Nordel, Epsyn, Royalene, Vistalon)

Good resistance to strong acids, alkalis, salts, chlorine solutions. Has long life at temperatures up to 300°F . Not good in oils or solvents. Temp. range -75 to $+300^{\circ}\text{F}$.

EPICHLOROHYDRIN (Hydrin or Herdor) Good oil, ozone and chemical resistance. Fair low temperature resistance.

Not good for chlorinated and nitro hydrocarbons. Temp. range -40 to $+350^{\circ}\text{F}$.

KEL-F (Some similarities to Teflon)

Good high-temperature resistance and acid resistance. Furnished only as fire-resistant coating. Temp. range 0 to $+400^{\circ}\text{F}$.

CPE (CHLORINATED POLYETHYLENE)

Good chemical and caustic-resistance. Temp. range -20 to $+275^{\circ}\text{F}$.

POLYACRYLIC (Hycar)

Good resistance to heat, ozone and oil. Generally attacked by water, alcohols, glycols and aromatic hydrocarbons. Temp. range -20 to $+400^{\circ}\text{F}$.

FLUROSILICONE

Good resistance to petroleum-based fuels. Poor resistance to ketones, hydrazine and hydraulic fluid. Temp. range -80 to $+400^{\circ}\text{F}$

DISCLAIMER: Properties and application parameters shown in this manual are presented in good faith but no warranty is expressed or implied. Failure to properly use gasket material could result in serious injury or death.

7724 7th ave South Seattle, WA 98108

Phone 206-763-6460

Fax 206-763-6878

Email sales@caiboltandgasket.com