

CR-TEC Engineering Data

ELASTOMER GUIDE

MATERIAL	CONTINUOUS TEMPERATURE RATINGS (F)	APPLICATONS
Buna-N"	+10 F to +180 F	Also known as Nitrile rubber, Buna-N has good strength and resistance to abrasion. It is also resistant to hydrocarbon fluids. Buna-N is good general service elastomer for use in water, vacuum, acids, salts, alkalines, fats, oils, greases, hydraulic oils and ethylene glycol. Not recommended for acetones, ketones or nitrated and chlorinated hydrocarbons.
EPDM	+30 F to +250 F	Commonly known as EPR or Nordel, EPDM is a good general service synthetic rubber for use in hot water systems, and also for alcohols, keytones, phosphate esters and glycols. EPDM is not recommended for hydrocarbon based oils, mineral oils or solvents.
Hypalon	-10 F to +250 F	Hypalon is a registered trademark of DuPont and is a chlorosulfonated polyethylene with good heat resistance. It has good resistance to acids and hydrocarbon oils and fuels. It is not recommended for use with many esters, ethers or keytones.
Neoprene (FDA Approved)	0 F to +180 F	Neoprene is recommended for moderate acids, oils fats, greases and solvents. It has very good resistance to anhydrous ammonia and alcohols. As an FDA approved material, it is recommended for use in many food and beverage applications. Black or white is available.
Viton Viton & GFLT	-20 F to +300 F -30 F to +400 F	Viton is a registered trademark of DuPont and is fluorinated hydrocarbon elastomers with excellent resistance to most hydrocarbon oils and gases, as well as other petroleum based fluids. Viton is not recommended for steam service, hot water over 180 F or concentrated alkalines.

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