

| | Material | Chemical Group | Generally Resistant to | Generally Attacked by |
|---------------------|------------------------------|---|---|---|
| NR, IR | Natural rubber, Isoprene | Polyisoprene | Most moderate wet or dry chemicals, organic acids, alcohols, ketones, aldehydes | Ozone, strong acids, fats, oils, greases, most hydrocarbons |
| SBR, BR | Butadiene, Styrene Butadiene | Styrene, Butadiene Copolymer, Polybutadiene | Similar to natural rubber | Similar to natural rubber |
| IIR | Butyl | Isobutylene, Isoprene, polymer | Water and steam | Petroleum solvents, coal, tar, solvents, aromatic hydrocarbons |
| EPM, EPDM | Ethylene Propylene | Ethylene Propylene copolymer and terpolymer | Water, steam and brake fluids | Mineral oils and solvents, aromatic hydrocarbons |
| NBR | Nitrile | Butadiene, Acrylonitrile copolymer | Many hydrocarbons, fats, oils, greases, hydraulic fluids, chemicals | Ozone, ketones, esters, aldehydes, chlorinated and nitro hydrocarbons |
| HNBR | Hydrogenated nitrile | Butadiene, Acrylonitrile copolymer | Similar to NBR but with improved chemical resistance and higher service temperature | Ozone, ketones, esters, aldehydes, chlorinated and nitro hydrocarbons |
| CO ₁ ECO | Epichlorohydrin | Epichlorohydrin polymer and copolymer | Similar to nitrile with ozone resistance | Ketones, esters, aldehydes, chlorinated and nitro hydrocarbons |
| CR | Neoprene | Chloroprene polymer | Moderate chemicals and acids, ozone, oils, fats, greases, many oils, and solvents | Strong oxidizing acids, esters, ketones, chlorinated, aromatic and nitro hydrocarbons |
| CSM | Hypalon® | Chlorosulfonated polyethylene with improved acid and ozone resistance | Similar to Neoprene | Concentrated oxidizing acids, esters, ketones, chlorinated, aromatic and nitro hydrocarbons |
| CM, CPE | Tyrin® | Chlorinated polyethylene | Similar to Neoprene with improved acid and ozone resistance | Concentrated oxidizing acids, esters, ketones, chlorinated, aromatic and nitro hydrocarbons |
| AU, EU | Urethane | Urethane polymer | Ozone, hydrocarbons, moderate chemicals, fats, oils, greases | Concentrated acids, ketones, esters, chlorinated and nitro hydrocarbons |
| T | Polysulfide | Organic polysulfide polymer | Ozone, oils, solvents, thinners, ketones, esters, aromatic hydrocarbons | Mercaptans, chlorinated hydrocarbons, nitro hydrocarbons, ethers, amines, heterocyclics |
| Si, VMQ | Silicone | Organic silicone polymer | Moderate or oxidizing chemicals, ozone, concentrated sodium hydroxide | Many solvents, oils, concentrated acids, dilute sodium hydroxide |

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| FSI, FVMQ | Fluorosilicone | Fluorinated organic silicone polymer | Moderate or oxidizing chemicals, ozone, aromatic chlorinated solvents, bases | Brake fluids, hydrazine, ketones |
| TFE/P | Tetrafluoroethylene/ Propylene | Fluorinated copolymer | Steam, amines and amine corrosion inhibitors, caustics, high pH media, wet sour gas, oil | Aromatic hydrocarbons, chlorinated solvents, ethers, limited in low temperatures |
| ACM | Polyacrylate | Copolymer of acrylic ester and acrylic halide | Ozone, extreme pressure, lubricants, hot oils, petroleum solvents, animal and vegetable fats | Water, alcohols, glycols alkali, esters, aromatic hydrocarbons, halogenated hydrocarbons, phenol |
| AEM | Ethylene acrylic Elastomer | Copolymer of ethylene, methyl acrylate (peroxide curable). Terpolymer contains cure site monomer | Weather, ozone, hydrocarbon lubricants/greases, hydraulic fluids | Aromatic hydrocarbons, esters, gasoline, ketones |
| FKM #1 | Fluoroelastomer | Standard fluorocarbon dipolymer 66% fluorine | All aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils | Ketones, low molecular weight esters and alcohols and nitro-containing compounds |
| FKM #2 | Fluoroelastomer | Standard or specialty type fluorocarbon. Typically, >66% fluorine | Same as FKM#2. Greater chemical resistance | Ketones, low molecular weight esters and nitro-containing compounds |
| FFKM | Perfluoroelastomer | Fully fluorinated fluorocarbon | Best fluid resistance of any elastomer | Fluorocarbon-containing refrigerants cause minor effects |