

Popular Compound Specification Guide				
Compound	Elastomer Type	Durometer	Temperature Range	Service
N70	Nitrile	70 +/- 5	-40 C to 120 C -40 F to 248 F	A general service Nitrile compound for a wide range of applications, including petroleum based fluids. Nitrile compounds also have excellent resistance to compression set, tear and abrasion resistance.
N90	Nitrile	90 +/- 5	-25 C to 120 C -13 F to 248 F	Generally used for higher pressures than the 70 durometer materials, while having comparable media resistance.
LTN	Low Temperature Nitrile	70 +/- 5	-55 C to 120 C -67 F to 248 F	A low temperature Nitrile compound for use in applications where sealability at lower temperatures is important. Due to the lower acrylonitrile content, this compound will show slightly less resistance to petroleum products.
HS7 (HSN)	Highly Saturated Nitrile	70 +/- 5	-40 C to 150 C -40 F to 302 F	This is a hydrogenated Nitrile compound which provides the material with improvised resistance to heat, ozone and aging. Similar applications to Nitrile but with improved mechanical properties and media resistance, Excellent for many oilfield and automotoive applications. H2S resistance up to 10%
HS8 (HSN)	Highly Saturated Nitrile	80 +/- 5	-40 C to 150 C -40 F to 302 F	Generally used for higher pressures than the 70 durometer materials, while having comparable media resistance.
HS9 (HSN)	Highly Saturated Nitrile	90 +/- 5	-40 C to 150 C -40 F to 302 F	Generally used for higher pressures than the 80 durometer materials, while having comparable media resistance. Improved ED resistance.
V75	Viton®	75 +/- 5	-25 C to 204 C -13 F to 400 F	Genuine Viton® compounds have excelent resistance to ozone, weather, oxgen, mineral oil, fuels, hydraulic fluids, aromatics, petroleum fluids, many organic solvents and chemicals. Viton® is also used in high temperature applications. Viton® Extreme™ TBR and ETP compounds are also available, TBR-Totally Base Resistant compound that provides improved performance over other TFE/Propylene polymers. ETP-Provides the excellent thermal resistance of Viton® along with significantly advanced chemical resistance.
V90	Viton®	90 +/- 5	-25 C to 204 C -13 F to 400 F	Genuine Viton® is generally used for higher pressure than the 75 durometer materials while having comparable media resistance.
LTV	Viton® GLT	75 +/- 5	-40 C to 204 C -40 F to 400 F	Genuine Viton® GLT is used for lower temperature applications than the 75 durometer materials while having comparable media resistance.
PF7	Perfluoroelastomer	75 +/- 5	-15 C to 300 C 5 F to 572 F	Perfluoroelastomer materials combine the best heat and chemical resistance performance compared to other elastomer materials.
PF9	Perfluoroelastomer	90 +/- 5	-4 C to 230 C 25 F to 466 F	Generally used for higher pressures than the 75 durometer materials while having comparable media resistance.
A80	Aflas™	80 +/- 5	0 C to 230 C 32 F to 446 F	Tetrafluoroethylene-Propylene materials exhibit exceptional thermal and chemical resistance including hot water, steam, acids, alkaline solutions, ammonia, amines, brake fluids, petroleum fluids and sour gas. Low temperature may restrict sealing abilities.
NEO	Neoprene	70 +/- 5	-45 C to 135 C -49 F to 275 F	Neoprene is a general purpose material for refrigerants, ozone and weather.
E70	Ethylene-Propylene	70 +/- 5	-54 C to 150 C -65 F to 302 F	Ethylene-Propylene materials exhibit excellent resistance to water, steam, brake fluids, and ozone.
E80	Ethylene-Propylene	80 +/- 5	-54 C to 150 C -65 F to 302 F	Generally used for higher pressures than 70 durometer EPDM compounds while having comparable media resistance.
S70	Silicone	70 +/- 5	-55 C to 230 C -67 F to 446 F	Silicone compounds offer the widest elastomer temperature range, but typically can not be used in dynamic applications or petroleum based fluids.
FS7	Fluorosilicone	70 +/- 5	-55 C to 200 C -67 F to 392 F	Fluorosilicone for use in petroleum and synthetic oils, greases, amines, amine-treated hydrocarbons and steam.