

Oil and Gas Seal Compounds

Extruded Seals	Material	Temp Range (°F)	Hardness (Shore A)	Comments
Acrylonitrile - Butadiene (Nitrile, Buna-N) – NBR				
X	N0674-70	-30 to +250	70	General purpose
X	N0304-75	-60 to +225/250	75	Excellent low temperature
	N4400A75	-35 to +275	75	Peroxide-cured nitrile, excellent compression set resistance
	N4180A80	-30 to +275	80	General purpose, good compression set
	N1490-90	-30 to +250	90	General purpose
	NB194-90	-30 to +255	90	Low compression set, extrusion resistant
Hydrogenated Nitriles – HSN, HNBR				
X	N1173-70	-25 to +300/325	70	General purpose
	KA453-80	-25 to +300	80	Chemically resistant
	N1231-80	-25 to +300/325	80	Explosive decompression resistant
	KA183-85/N4031A85	-50 to +300	85	Excellent low temperature capability, Extrusion resistant, ED resistance, passes NACE TM0 187-98 standard
	N4288A85	-25 to +300	85	Excellent abrasion resistance, good compression set
X	KB255-90	-25 to +300	90	General purpose
	KB163-90	-30 to +300	90	General purpose, explosive decompression resistant, certified to NORSOK M710
	KB164-90	-30 to +300	90	Extrusion resistant
	N4007-90/N4007A90	-25 to +300	90	Explosive decompression resistant, certified to NORSOK M710 & passes NACE TM0187-98 standard
Ethylene Propylene Rubber – EPDM, EPM, EP, EPR				
X	E0740-75	-70 to +250	75	Low compression set
X	E0962-90/E4270A80	-60 to +250	90	Excellent steam to 500°F, explosive decompression resistant, resistant to CO ₂ , H ₂ S, methanol & glycols
Fluorocarbon – FKM, FPM				
X	V1164-75	-15 to +400	75	General purpose, good compression set
X	V0747-75	-15 to +400	75	General purpose
	V1260-75	-15 to +400	75	Very chemically resistant
	V1289-75	-55 to +400	75	Excellent low temperature performance
	V4205A75	-15 to +400	75	General purpose, excellent compression set resistance
	VP104-85	-15 to +400	85	Extrusion resistant, explosive decompression resistant
	V0709-90	-15 to +400	90	General purpose
	V4208A90	-15 to +400	90	General purpose, excellent compression set resistance
X	V1238-95	-15 to +400	95	Extrusion resistant, good compression set, explosive decompression resistant, Certified to NORSOK M710
	V4266A95	-15 to +400	95	General purpose
X	VA275-95	-15 to +400	95	Extrusion resistant, good compression set, explosive decompression resistant
Tetrafluoroethylene - Propylene – TFE/P				
X	VP102-80	15 to +450	80	Low compression set
	V1041-85	15 to +450	85	ED resistant, good in H ₂ S, certified to NORSOK M710 & passes NACE TM0187-98 standard
	V4276A85	-15 to +450	85	Improved compression set resistance, certified to NORSOK M710 & passes NACE TM0187-98 standard
	VP103-90	25 to +450	90	Extrusion resistant
	V4461A90	-15 to +450	90	Improved compression set resistance