

Elastomer compounds suitable for Oil & Gas applications

Our specialist materials are designed to withstand extreme production demands in this safety critical environment.

Material	Temp Range °C *	Hardness (Shore A)	Recommended Products					Certifications						Comments
			O-Rings	Moulded Shapes	Packing Elements	Extruded Product	Back-Up Rings	*ISO23936 RGD	ISO23936 H2S	Norsok M710 RGD	*Norsok M-710 H ₂ S	NACE TM0187 H ₂ S	API6A Tested	
Acrylonitrile-Butadiene (Nitrile, Buna-N) NBR														
N0674-70	-34 to 120	70	X	X	....	X	....	....	....	....	....	....	....	General purpose material
N0756-75	-54 to 135	75	X	X	....	X	....	....	....	....	....	....	....	Low temperature material
N1059-90	-34 to 120	90	X	X	....	....	....	....	....	....	....	....	....	Low compression set, extrusion resistant
N0300-90	-34 to 120	90	....	....	....	....	X	....	....	....	....	....	....	Parbak rings, extrusion resistant
Hydrogenated Nitrile - HNBR, HSN														
N1173-70	-32 to 148	70	X	....	....	....	....	....	....	....	....	....	....	General purpose material
KA270-70	-32 to 148	70	....	X	X	X	....	....	....	....	....	....	....	Low set force, high tear strength
KA453-80	-32 to 148	80	X	....	....	....	....	....	10%	....	....	....	....	Good chemical resistance
KB282-80	-32 to 148	80	....	....	....	....	....	....	....	....	....	X	....	Low set force, high tear strength, excellent compression set
KA280-80	-32 to 148	80	....	X	X	X	....	....	....	....	....	....	....	Low set force, high tear strength
KA183-85	-48 to 148	85	X	X	X	X	....	X	10%	....	2%		FF/HH	Low temperature material, ED resistant
KB285-85	-32 to 148	85	....	X	X	X	....	X	10%	....	....	X	FF/HH	Excellent extrusion resistance, ED resistant
KB255-90	-32 to 148	90	....	....	....	X	....	....	....	....	....	....	....	General purpose material
KB163-90	-34 to 148	90	X	X	X	X	....	X	10%	X	2%	....	FF/HH	ED resistant, extrusion resistance
KB292-95	-32 to 148	95	X	....	....	....	....	X	10%	....	....	....	....	Excellent extrusion resistance, ED resistant
Ethylene Propylene Rubber - EPDM, EPM, EP, EPR														
E0740-75	-56 to 121	75	X	X	X	X	....	....	....	....	....	....	....	Low compression set
E0962-90	-51 to 260	90	X	X	X	X	....	X	....	....	....	....	....	Excellent steam resistance to 260°C
Fluorocarbon - FKM														
VA075-75	-26 to 204	75	X	X	X	X	....	....	....	....	....	....	....	General purpose material, low compression set
V1260-75	-26 to 204	75	X	X	....	X	....	....	....	....	....	....	....	ETP-type FKM, excellent chemical resistance
VX065-75	-53 to 204	75	X	X	....	....	....	....	....	....	....	....	....	Excellent low temperature, low compression set
VG286-80	-46 to 204	80	X	X	X	X	....	X	....	....	....	....	FF/HH	Excellent low temperature, low compression set, excellent fluid resistance
VP309-80	-23 to 204	80	X	X	X	X	....	X	....	....	....	....	....	Broad range of chemical resistance, low compression set
VP316-90	-23 to 204	90	X	X	X	X	....	X	....	....	....	X	....	Broad range of chemical resistance, low compression set
VA090-90	-26 to 204	90	X	X	X	X	....	....	....	....	....	....	....	General purpose material, low compression set
VG109-90	-46 to 204	90	X	X	X	X	....	**	10%	....	....	X	FF/HH	Excellent low temp & fluid resistance, low compression set, extrusion resistance
VX365-90	-53 to 204	90	X	X	....	....	....	**	10%	....	....	....	FF/HH	Excellent low temperature, low compression set
V1238-95	-26 to 204	95	X	X	....	....	....	**	2%	X	2%	....	FF/HH	Extreme extrusion resistance
Tetrafluoroethylene-Propylene (Aflas) - FEPM, TFE/P														
VP101-80	-4 to 232	80	X	X	X	X	....	....	....	....	....	....	....	Low compression set
V1041-85	-4 to 232	85	X	X	X	....	....	X	....	X	2%	....	....	Broad chemical resistance
V4461-90	-9 to 232	90	....	X	X	X	....	....	....	....	....	....	....	General purpose material
VP250-90	-9 to 232	90	....	X	X	....	....	....	....	....	....	....	....	Good compression set, extrusion resistance
VP103-95	-4 to 232	95	X	....	....	....	....	X	10%	....	2%	....	....	Extrusion resistant
Perfluoroelastomer - FFKM														
FF582-90	-15 to 270	90	X	X	....	....	....	X	10%	....	....	....	....	Steam resistant, broad chemical resistance, low compression set
FF156-75	-15 to 270	75	X	X	....	X	....	....	....	....	....	....	....	High value, low compression set
FF580-75	-15 to 270	75	X	X	....	....	....	....	10%	....	....	....	FF/HH	Steam resistant, broad chemical resistance, low compression set
FF400-85	-40 to 270	85	X	X	....	....	....	X	10%	....	....	50%	FF/HH	Excellent low temperature

** ISO 23936-2 RGD Testing performed at 10,000 psi.

*The listed temperature range is a recommendation only. Other application parameters should be taken into consideration when determining the suitability of any material in a specific application environment.

In conjunction with



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