



Oil & Gas Industry Reference Guide 10/2026

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Moss Code	Compound	Temp. Range (°F)*	Hardness (Shore A)	Recommended Parts				Certifications						Comments	
				O-Rings	Molded Shapes	Packing Elements	Back-up Rings	ISO 23936 RGD	ISO 23936 H ₂ S	Norsok M-710 RGD	Norsok M-710 H ₂ S	NACE TM0187 H ₂ S	API 6A Tested		
Hydrogenated Nitrile - HNBR															
MSCH0204-90	HN90M	−31 to 320	90	X	X	X	X	---	X	X	2%	2%, 5%, 20%	FF/HH	Oil/gas, AED, tested for H ₂ service. Also: ED Total Fina/Shell; EN 14141:2003; Saudi Aramco 06-SAMSS-001	
KB163-90	HNBR	−30 to 300	90	X	X	X	---	X	10%	X	2%	---	FF/HH	Explosive decompression resistant, extrusion resistance	
Low Temp															
MSCH0200-90	HN90L	−67 to 320	90	X	X	X	X	---	---	X	---	5%	FF/HH	Oil/gas, low temperature, AED, tested for H ₂ service. Also: NACE TM0297 CO ₂ ; Shell MESC SPE 85/301	
KA183-85	HNBR	−55 to 300	85	X	X	X	---	X	10%	---	2%	---	FF/HH	Low temperature material, explosive decompression resistant	
Ethylene Propylene Rubber - EPDM															
MSCE0400-90	EP90P	−65 to 302	90	X	X	X	X	---	---	---	---	---	---	Peroxide cured, tested for H ₂ service	
E0962-90	EPDM	−60 to 500	90	X	X	X	---	X	---	---	---	---	---	Excellent steam resistance to 500 °F	
Fluorocarbon - FKM, 90 Shore A															
MSCV0304-90	N9001	−22 to 446	90	X	X	X	X	X	X	X	X	5%, 20%	X	Oil/gas, AED. Also: NACE TM0297 CO ₂ ; TotalFina SP-TCS-142; Shell (80 °C, 138 bar); Saudi Aramco 06-SAMSS-001	
MSCV0314-90	N9024	−13 to 446	90	X	X	X	X	---	---	X	---	---	FF/HH	Peroxide cured, oil/gas, AED. Also: Saudi Aramco 06-SAMSS-001	
MSCV0305-90	N90BR	−22 to 428	90	X	X	X	X	X	X	X	X	5%, 20%	FF/HH	Oil/steam, AED. Also: Saudi Aramco 06-SAMSS-001	
Low Temp															
MSCV0300-90	N9012	−42 to 428	90	X	X	X	X	X	X	X	X	5%, 20%	FF/HH	Low temperature, AED (10.82 mm), tested for H ₂ service. Also: NACE TM0297 CO ₂ ; TotalFina SP-TCS-142; ITN 84700/A; Shell MESC SPE 85/301; Saudi Aramco 06-SAMSS-001	
MSCV0325-90	N9034	−42 to 428	90	X	X	X	X	---	---	X	---	---	FF/HH	Low temperature, AED, very good in methanol, exceptional chemical resistance. Also: Shell MESC SPE 85/301; Saudi Aramco 06-SAMSS-001	
MSCV0309-90	N9035	−60 to 437	90	X	X	X	X	---	---	X	---	5%	---	Low temperature, AED, tested for H ₂ service. Also: NACE TM0297 CO ₂	
VG109-90	FKM	−50 to 400	90	X	X	X	---	**	10%	---	---	X	FF/HH	Excellent low temperature & fluid resistance, low compression set, extrusion resistance	
MSCV0317-90	N9036	−78 to 437	90	X	X	X	X	---	X	X	X	5%, 20%	FF/HH	Ultra-low temperature, AED. Also: NACE TM0297 CO ₂	
VX365-90	FKM	−65 to 400	90	X	X	---	---	**	10%	---	---	---	FF/HH	Excellent low temperature, low compression set	
Fluorocarbon - FKM, 98 Shore A															
MSCV0306-95	N9801	−17 to 446	98	X	X	X	X	X	---	---	---	---	---	Oil/gas, AED	
V1238-95	FKM	−15 to 400	95	X	X	---	---	**	2%	X	2%	---	FF/HH	Extreme extrusion resistance	
MSCV0316-95	N9812	−40 to 437	98	X	X	X	X	---	---	X	---	---	---	PLT, low temperature, AED	
Tetrafluoroethylene-Propylene - (Aflas®) - FEPM															
MSCA0202-90	AFL9G	−4 to 392	90	X	X	X	X	---	---	X	---	5%, 20%	FF/HH	Oil/steam, AED	
VP103-95	FEPM	25 to 450	95	X	---	---	---	X	10%	---	2%	---	---	Extrusion resistant	
Perfluoroelastomer - (Evolast®) - FFKM															
MSCF0105-90	PN9ED	5 to 500	90	X	X	X	X	X	X	X	X	5% - 20%	FF/HH	AED	
MSCF0100-90	PN9EX	5 to 608	90	X	X	X	X	X	---	X	---	---	---	High temperature, AED	
MSCF0101-90	PN9LT	−51 to 482	90	X	X	X	X	---	---	X	---	---	---	Low temperature, AED	
MSCF0108-75	PN7LT	−51 to 482	75	X	X	X	X	---	---	---	---	---	---	Ultra-low temperature	
MSCF0106-75	PN894	−13 to 527	75	X	X	X	X	---	---	---	---	---	---	Chemical process industry	

*The listed temperature range is a starting recommendation only. Fluid media, pressure and exposure duration should be reviewed with Moss Seal Company when determining the suitability of a compound for a specific application.

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

X = tested / approved · --- = not tested · % = H₂S concentration tested · FF/HH = API 6A material class · RGD = Rapid Gas Decompression · AED = Anti-Explosive Decompression

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