Oil Field Proven Elastomers

Compounds specifically formulated for exploration and production applications.

- Extrusion Resistant
- Low-Temperature Viton
- Steam Resistant
- H2S Resistant
- NORSOK M-710 Certified
- Extreme High Temperature
- Explosive Decompression Resistant
- Standard Well Conditions
- Caustic Environment

K.C. Seals Inc.

MATERIALS

Our elastomers are specifically formulated for the harsh environments typically seen in exploration and production applications. This includes compounds that offer resistance to temperature, extrusion, rapid gas decompression, and superheated steam. We also offer compounds that are both NORSOK M710 and API 6A certified.

Application	Compounds	Temperature	Description
High Pressure	MCM3009	-40°C to 160°C -40°F to 325°F	Improved extrusion and wear resistance over standard HNBR.
	DM951	-20°C to +205°C -4°F to 400°F	Excellent temperature and extrusion resistant FKM (Viton®).
	HEXAE90	-20°C to +205°C -4°F to 400°F	Excellent abrasion, impact, and extrusion resistant HNBR.
Extreme High Temperature	SZ498	-6°C to 325°C 21°F to 617°F	Extremely high temperatures, low compression set, broad chemical resistance. For use with downhole (sour gas), drilling mud, amine-based fluids, steam and other aggressive chemicals.
Low Temperature	EE5647	-50°C to +205°C -50°F to 400°F	Low temp Viton® with RGD resistance as per ISO 23936-2 and H2S resistance as per ISO 23936-2 (up to 10%). Offers A wide range of chemical compatibilities and low-temperature performance without reducing high-temperature capabilities.
NORSOK M-710 and API 6A Required	V911	-30°C to +205°C -22°F to 400°F	FKM compound that offers excellent resistance to sour gas aging and explosive decompressions as per NORSOK M-710 and API 6A requirements.
	H9120	-40°C to 160°C -40°F to 325°F	HNBR compound that offers excellent resistance to sour gas aging and explosive decompressions as per NORSOK M-710 and API 6A requirements.
Standard Well Conditions	F7DS (70 duro) F8DS (80 duro) F9DS (90 duro)	-20°C to +205°C -4°F to 400°F	General purpose FKM (Viton®) compound. Suitable for higher temp applications and offers excellent chemical resistance.
	H6DS (60 duro) H7DS (70 duro) H8DS (80 duro) H9DS (90 duro)	-40°C to 160°C -40°F to 325°F	General purpose Hydrogenated Nitrile (HNBR) compound with improved methanol and sour gas resistance over Nitrile.
	N7DS (70 duro) N8DS (80 duro) N9DS (90 duro)	-35°C to +120°C -30°F to +250°F	General purpose Nitrile compound. Offers excellent performance in petroleum lubricants, seawater, diesel fuel, valves, and actuators.
Steam and Rapid Gas Decompression	EE3268	-4 to 205°C 25°F to 400°F	RGD, amine, H2S, and steam resistant Aflas®.
	E9DS	-40°C to 160°C -40°F to 325°F	Geothermal, steam service, explosive decompression resistant, and suitable for service in steam/oil mixtures of less than 10% petroleum fluid. Moderate H2S resistance.
Aggressive Chemicals	EE7749	-20°C to +204°C -4°F to 400°F	Viton® ETP 600S. Extreme chemical resistance. Excellent performance in aqueous media, dilute base and acid resistant. Resists swelling in highly caustic solutions and amines.