



## Oil & Gas Industry Material Testing Standards

*We Have Your Approval*

The ever-evolving demands in oil & gas industry applications require enhanced sealing performance. To ensure sealing materials can withstand the critical environments they operate in, testing standards have been established. These tests focus on certifying elastomers that encounter application environments such as rapid gas decompression (RGD) and sour gas service (H<sub>2</sub>S). Common test standards include API 6A, NORSOK, NACE, TOTAL, and ISO. The table below features Hi-Tech Seals' compounds that were developed to meet these strict requirements.



Material	HTS CMPD #	Duro. Shore A	Temp. Range	API 6A Sour Gas	NACE TM0187 Sour Gas	NORSOK M710 Sour Gas	NORSOK M710 RGD Rev. 2	NORSOK M710 RGD Rev. 3 (ISO 23936-2)	NACE TM0297 RGD	TOTAL GS EP PVV 142 RGD
Fluorocarbon (Low Temp. FKM)	V9M2	90	-40°C to 200°C -40°F to 392°F	✓			✓		✓	✓
Fluorocarbon (Low Temp. FKM)	V9M3	90	-47°C to 200°C -53°F to 392°F					✓		
Fluorocarbon (FKM)	V9MY	90	-25°C to 200°C -13°F to 392°F		✓			✓		
Hydrogenated Nitrile (HNBR)	H716	75	-40°C to 150°C -40°F to 302°F	✓						
Hydrogenated Nitrile (HNBR)	H717	75	-50°C to 150°C -58°F to 302°F	✓						
Hydrogenated Nitrile (HNBR)	H822	80	-50°C to 150°C -58°F to 302°F		✓					
Hydrogenated Nitrile (HNBR)	H925	90	-55°C to 150°C -67°F to 302°F	✓				✓		
Hydrogenated Nitrile (HNBR)	H966	90	-40°C to 150°C -40°F to 302°F	✓			✓			✓
Hydrogenated Nitrile (HNBR)	MH91	95	-20°C to 150°C -4°F to 302°F	✓						
Hydrogenated Nitrile (HNBR)	MH92	88	-30°C to 150°C -22°F to 302°F	✓				✓		
Hydrogenated Nitrile (HNBR)	H813	85-90	-40°C to 150°C -40°F to 302°F	✓				✓		
Perfluoroelastomer (FFKM)	PF91	90	-10°C to 290°C 14°F to 554°F		✓		✓		✓	
Aflas® FEPM	A9M2	90	0°C to 250°C 32°F to 482°F			✓	✓	✓	✓	✓
Aflas® FEPM	A912	90	-5°C to 225°C 23°F to 437°F				✓			

For more information on our compounds that meet industry testing standards contact us at [info@hitechseals.com](mailto:info@hitechseals.com).

