

Vi 900 | FKM

NORSOK Standard M-710

ISO 23936-2

Complies with API
6A and 6D standards

NACE TM 0187



C. OTTO GEHRCKENS
SEAL TECHNOLOGY



Vi 900 – for extreme challenges in the petrochemical sector

The FKM material Vi 900 passed the NORSOK test to Standard M-710 with impressive results, achieving the best possible '0000' rating. The top compound therefore proves its maximum resistance to explosive decompression, the greatest danger facing seals used in the oil and gas industry. Vi 900 also successfully passed the NACE TM 0187 acid gas test, which is another relevant approval in the industry. The material's extremely broad operating temperature range of $-51\text{ }^{\circ}\text{C}$ to $+230\text{ }^{\circ}\text{C}$ and its extraordinary chemical resistance make Vi 900 the ideal first choice when high reliability and long-lasting components are required in petrochemical applications.

Performance highlights

- High quality material for the oil and natural gas industry
- Excellent low temperature flexibility:
TR-10 value: $-40\text{ }^{\circ}\text{C}$
- Very low compression set in the low temperature range
- Outstanding resistance



The greatest flexibility, even at the lowest temperatures

The high performance material Vi 900 combines two essential properties for systems in the oil and gas industry. In the event of strong pressure drops, the elastomer seals withstand the stresses of explosive decompression without becoming damaged, and even seal reliably at the lowest temperatures. As a result, Vi 900 is used to produce the seals in pig gates, valves, slide valves and ball cocks and wherever explosive decompression can occur, not just in the petrochemical industry but also in compressor construction or compressed air preparation.

- Extremely broad operating temperature range from -51 °C to +230 °C
- Minimal gas permeability
- Excellent chemical resistance to a wide range of media

Material profile

COG-No.:	Vi 900
Basic elastomer:	Fluoro rubber (FKM)
Colour:	black
Temperature range (air):	From -51 °C to +230 °C
Approvals/Certifications:	NORSOK Standard M-710 (Annex B), ISO 23936-2, NACE TM 0187

Rubber technology data

Properties	Unit	Specimen	
		Value	Testing methods
Hardness	Shore A	90±5	DIN ISO 7619-1
Hardness	°IRHD, CM	90±5	DIN ISO 48
Tensile strength	MPa	> 12	DIN 53 504
Elongation	%	> 100	DIN 53 504
TR-10	°C	-40	ISO 2921
Compression Set (24h/200 °C)	%	< 20	DIN ISO 815

The indicated values do not replace the official data sheet. They are not binding and exclude all liability for damage of any kind.

