

Vi 900
F K M



SEAL TECHNOLOGY
PREMIUM-QUALITY SINCE 1867

Vi 900 – for extreme challenges in the petrochemical sector

Passes with flying colours: The new FKM compound Vi 900 has spectacularly proven its suitability for elastomer seals used in the oil and gas industry. The material passed the Norsok test to Standard M-710 without any damage whatsoever, achieving the best possible rating: '0000'. Vi 900 therefore demonstrates maximum resistance against explosive decompression, the greatest danger facing seals used in the oil and gas industry.

COG's new product excels thanks to its extremely broad operating temperature range of -50 °C to +200 °C and above all due to its excellent low temperature flexibility. With a TR-10 value of -40 °C, the material provides a reliable seal at temperatures right down to -50 °C, therefore complying with all requirements of the essential API 6A and 6D standards. At the same time, as an FKM compound, Vi 900 offers outstanding chemical resistance to a broad spectrum of vastly different media. Thanks to its specific combination of material properties, the Vi 900 material sets new standards for petrochemical plants, making it the ideal first choice when maximum safety, complete flexibility and long-lasting components are required.



Vi 900 at a glance

- High quality FKM material for the oil and natural gas industry
- Norsok Standard M-710 and ISO 23936-2
- Complies with API 6A and 6D standards
- High low temperature flexibility: TR-10 value: -40 °C
- Very low compression set in the low temperature range
- Outstanding resistance

The direct line
to our warehouse

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The greatest flexibility, even at the lowest temperatures

The high performance material Vi 900 combines two properties that are of central importance in the oil and gas industry and related sectors. In the event of heavy drops in pressure, the elastomer seals withstand the pressures of explosive decompression without becoming damaged, and remain flexible even at the lowest temperatures, ensuring dependable seals. An excellent cold compression set, this fluorinated rubber's outstanding resistance to a wide variety of media and only minimal gas permeability are further characteristics of this Vi 900 FKM material that enthuse experts. This new top compound is used for seals in pig gates, valves, ball cocks and slide valves, wherever explosive decompression can occur, especially in the oil and gas industry, in compressor construction and also in compressed air preparation.



Data-Sheet

COG-No.:	Vi 900
Basic elastomere:	Fluoro rubber (FKM)
Colour:	Black
Temperature range (air):	From -50 °C to +200 °C
Approvals / Certifications:	NORSOK Standard M-710, ISO 23936-2

Rubber technology data

Properties	Unit	Specimen	
		Value	Testing methods
Hardness	ShoreA	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 (24 h / 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

APPROVALS/CERTIFICATIONS

- NORSOK Standard M-710
- ISO 23936-2
- Complies with API 6A and 6D standards

