

Vi 250 | FKM

High temperature resistance
up to +250 °C

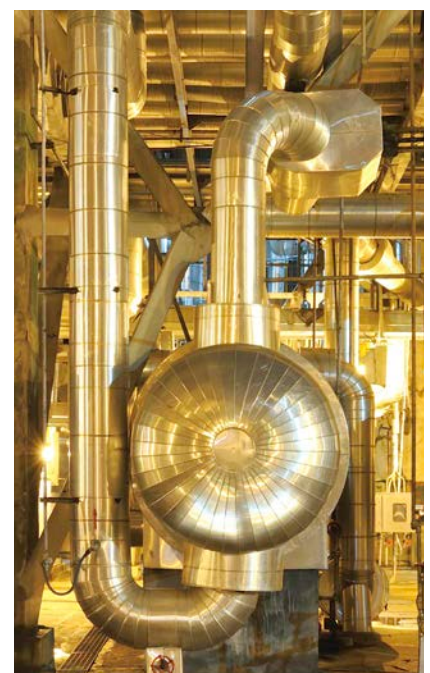


C. OTTO GEHRCKENS
SEAL TECHNOLOGY



Vi 250 – Maximum resistance to the highest temperatures

With an operating temperature range of up to +250 °C, the FKM material Vi 250 has been specially developed for this purpose, making it ideal for the widest range of applications where particularly high temperatures occur. Thanks to its extremely specific polymer structure, this top compound also reliably withstands continuous use at these temperatures with the medium air. This high-performance material is therefore ideal for the countless applications where high temperatures are constantly present e. g. the plant and machine engineering sector, with a particular focus on compressor and compactor technology.



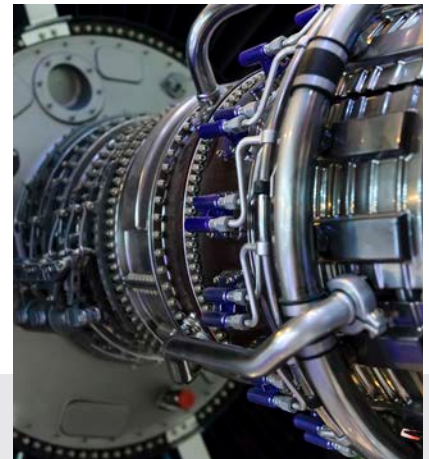
Performance highlights

- Constant high temperature resistance up to +250 °C in the medium air
- Low temperature flexibility to -25 °C
- Excellent media resistance
- High resistance to oils, fats, fuels and solvents
- Excellent chemical resistance
- Low gas permeability

The ideal combination for high-performance flexibility

This special material not only demonstrates maximum suitability for use at high temperatures – it also scores highly for use with a multitude of specific mediums, thanks to its excellent resistance. Vi 250 also proves itself to be just as resistant to chemicals, such as for example mineral oils, aliphatic, aromatic or chlorinated hydrogens plus acids and weak alkalis.

- Developed specifically for high temperature requirements
- Applicable as a cost-effective alternative to higher-priced FFKM materials
- Good mechanical properties and excellent resistance to ageing



Material profile

COG-No.:	Vi 250		
Basic elastomere:	Fluorinated rubber (FKM)		
Colour:	black		
Temperature range (air):	from -25 °C to +250 °C		
Rubber technology data			
Properties	Unit	Specimen	
		Value	Testing methods
Hardness	Shore A	75±5	DIN ISO 7619-1
Hardness	°IRHD, CM	75±5	DIN ISO 48
Tensile strength	MPa	> 10	DIN 53 504
Elongation	%	> 175	DIN 53 504
Compression set (24h/200 °C)	%	< 16	ASTM D 395 B

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

