

Vi 770 | FKM

FDA 21. CFR 177.2600
USP Class VI to +121 °C
3-A Sanitary
Standard 18-03
VO (EG) 1935/2004
ADI-free

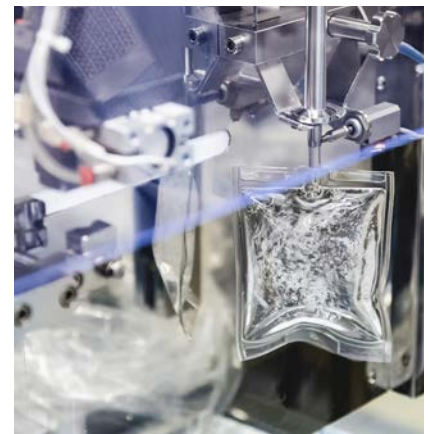


C. OTTO GEHRCKENS
SEAL TECHNOLOGY



Vi 770 – Maximum dependability under hygienic condition

The FKM Vi 770 has been designed to meet the most demanding process requirements in the food and pharmaceutical industries, as well as in the fields of medical technology and biotechnology. This white compound combines excellent media and chemical resistance with outstanding resistance to CIP, SIP and WFI procedures, making it ideal for use with the widest range of cleaning processes. Vi 770 therefore meets the strict requirements of hygienic design, and in turn the basic prerequisite for use in these sensitive areas.



Performance highlights

- A white FKM material for high material stress
- Certified to FDA 21. CFR 177.2600, USP Class VI to +121 °C, Chapter 87 and Chapter 88, 3-A Sanitary Standard 18-03, Class 1 and Regulation (EC) No. 1935/2004
- Outstanding resistance to CIP and SIP procedures, as well as to WFI
- Excellent chemical resistance
- ADI-free – manufactured without animal-derived ingredients



The flexible specialist for sensitive production sectors

Developed for the demanding requirements of systems used in food production, the pharmaceutical industry and medical technology sector, this HygienicSeal material demonstrates good resistance to the widest range of media and chemicals. For example, the material performs well in applications involving water vapour and demonstrates its extraordinary resistance even in contact with animal and plant fats (fat content $\geq 30\%$).

- White top-compound to meet the strict requirements of hygienic design
- Good mechanical properties and high ageing resistance
- ADI-free: manufactured without animal-derived ingredients

Material profile

COG-No.:	Vi 770
Basic elastomere:	Fluorinated rubber (FKM)
Colour:	white
Temperature range (air):	from -10 °C to +200 °C
Approvals/Certifications:	FDA 21. CFR 177.2600, USP Class VI to +121 °C, Chapter 87 and Chapter 88, 3-A-Sanitary Standard 18-03, Class 1

Rubber technology data

Properties	Unit	Specimen	
		Value	Testing methods
Hardness	Shore A	70±5	DIN ISO 7619-1
Hardness	°IRHD, CM	70±5	DIN ISO 48
Tensile strength	MPa	> 12	DIN 53 504
Elongation	%	> 250	DIN 53 504
Compression set (72h/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.

