

AF 680 | FEPM

- FDA 21. CFR 177.2600
- SIP inspected
- CIP inspected



C. OTTO GEHRCKENS
SEAL TECHNOLOGY



AF 680 – best Aflas® quality for the food industry

There is now also a high quality compound available for demanding applications in the food industry, in the form of our AF 680 material, which is made from the proven Aflas® polymer and is FDA-approved. This tough FEPM material has the FDA 21. CFR 177.2600 certification that is so important in the industry, and has been designed for system components that come into contact with foodstuffs. Not only does AF 680 impress due to its high chemical resistance, but it also scores highly thanks to its very good resistance to SIP and CIP processes.



Performance highlights

- High quality Aflas® material for special applications in the food industry
- Certified to FDA 21. CFR 177.2600
- Outstanding resistance to numerous specific media
- Excellent chemical resistance



Maximum safety when used with aggressive media

As a high-performance elastomer from the Aflas® series, AF 680 proves itself to be extremely resistant to a wide variety of different chemicals. These include acids and alkalis, ammonia, bleaching agents, H₂S gases, oils and amine-based and oxidised media. Thanks to this range, in combination with extremely high resistance to hot water and vapour, along with possible application temperatures of up to +230 °C, AF 680 recommends itself as a reliable, long-lasting all-rounder for seal components in the food production industry, which are subjected to extraordinary stresses.

- Excellent chemical resistance to a wide range of media, such as alkalis, acids, acid gas, oils and amines
- Excellent resistance to hot water and vapour
- Operating temperature range up to +230 °C

Material profile

COG-No.:	AF 680
Basic elastomer:	Fluorinated rubber (FEPM)
Colour:	black
Temperature range (air):	from -10 °C to +230 °C
Approvals/Certifications:	FDA 21. CFR 177.2600

Rubber technology data

Properties	Unit	Test specimen	
		Value	Testing methods
Hardness	Shore A	80±5	DIN ISO 48
Hardness	°IRHD	75±5	DIN ISO 48
Tensile strength	MPa	> 15	DIN 53 504
Elongation	%	> 150	DIN 53 504
TR-10	n/a	n/a	n/a
Compression Set (24h/200 °C)	%	< 35	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.

