

## What is FKM?

FKM rubber is very stable and exceptionally resistant to oxidation, weathering, fire and swelling in most liquids, as well as has excellent resistance towards hot water and vapour. Typical uses of FKM include applications that involve exposure to oils, fuels, chlorinated compounds, aromatics and strong acids at temperatures up to and above 200°C. Its properties make FKM ideal for many demanding aerospace, automotive and industrial applications. The service temperature range of FKM is approximately between -15 to 200°C.

## Properties of FKM

- Exceptional resistance to heat
- Exceptional resistance to oil
- Exceptional resistance to chemicals

Declarations of conformity	Country	Explanation	Conformity
REACH (EC) 1907/2006	EU		Yes
RoHS	EU		Yes
BfR	DE	food contact	No*
FDA	USA	FDA § 177.2600	No*
(EG) 1935/2004	EU	food contact	No*
(EG) 2023/2006 (GMP)	EU	GMP	No*
3-A Sanitary	USA		No*
USP	USA		No*
ACS	F	drinking water	No*
DIN EN 681	EU		No*
Kiwa	NL		No*

*\*Compliance statements here are only applicable for the standard items showcased in our portfolio. Sigma Polymer Group has the capabilities to tailor products according to your specific conformity requirements.*



Abrasion resistance  
3



Oil and fuel resistance  
5



Oxidations resistance  
5



Ozone resistance  
5



Water resistance  
3



Fire resistance  
4

### Resistance grades

- 5 Excellent
- 4 Very good
- 3 Good
- 2 Fair
- 1 Bad