

FKM 70 Compound 514115



ERIKS' 514115 is a specialist grade FKM ter-polymer compound, based on Genuine Viton® with a broad chemical resistance and good compression set values. The compound is specially developed for low temperature- and food contact applications.

Description

- **Chemical composition:** Ter-polymer of Tetrafluoroethylene, vinylidene fluoride and hexafluoropropylene
- **Physical form:** O-rings, moulded parts
- **Colour:** Black
- **Temperature resistance:** -40°C to +200°C

Compliances

- FDA 21 CFR 177.2600
- EC1935:2004
- ADI
- REACH
- RoHS

Application

- Low temperature
- Food contact

Please consult our [Chemical Resistance Guide](#) for more information on this compound.



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 7619	72 ± 5	IRHD
Elongation at break	ISO 37	228	%
Tensile strength	ISO 37	18	MPa
Compression set – 24 hours at 175°C Slab	ISO 815	11	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 200°C	ISO 188		
Hardness change		+3	Shore A
Elongation at break change		-3.9	%
Tensile strength change		+2.8	%
Immersion ASTM oil #3 – 70 hours at 150°C	ISO 1817		
Hardness change		-3	Shore A
Elongation at break change		+4.4	%
Tensile strength change		-6.5	%
Volume change		+1.5	%

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