

## FKM 70 Compound 514641



ERIKS' 514641 is a specialist grade FKM co-polymer based on Genuine Viton® with a broad chemical resistance and good compression set values. The compound is specially developed for food contact and has FDA CFR 21§177.2600, EC1935:2004 and 3-A conformity.

### Description

- **Chemical composition:** Co-polymer of Hexafluoropropylene and vinylidene fluoride
- **Physical form:** O-rings and moulded parts
- **Colour:** Black
- **Temperature resistance:** -20°C to +200°C

### Applications

- Food contact
- Dairy

### Compliances

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

### Additional information

- Extraction tested
- Migration tested

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	71±5	Shore A
Elongation at break	ISO 37	210	%
Tensile strength	ISO 37	14.5	MPa
100% Modulus	ISO 37	6.6	MPa
<b>Compression set</b> – 22 hours at 200°C Slab	ISO 815	12	%
Low temperature resistance TR10	ISO 2921	-16	°C

Table 2: Ageing properties

Property	Test standard	Value	Unit
<b>Heat ageing</b> – 70 hours at 250°C	ISO 188		
Hardness change		-1	Shore A
Elongation change		-15	%
Tensile strength change		+9	%