# FKM 90 Compound 514320

ERIKS' 514320 is a standard grade FKM co-polymer compound, based on Genuine Viton® with a broad chemical resistance and good compression set values. ERIKS' standard FKM compound for high pressure applications.

## Description

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

## Application

- Wide range of chemicals
- Hydrocarbons at high temperature
- Covalent or non polar solvents
- Fluid power
- High pressure

## Compliances

- ADI
- REACH
- RoHS

## Additional information

- Wide range of O-rings available from stock

Please consult our Chemical Resistance Guide for more information on this compound.

### Table 1: Physical properties

| Property | Test standard | Value | Unit |
|---|---|---|---|
| Hardness | ISO 48 | 88±5 | IRHD |
| Elongation at break | ISO 37 | 120 | % |
| Tensile strength | ISO 37 | 12 | MPa |
| 100% Modulus | ISO 37 | 9 | MPa |
| **Compression set –** 24 hours at 200°C<br>Slab | ISO 815 | <br>20 | <br>% |

### Table 2: Ageing properties

| Property | Test standard | Value | Unit |
|---|---|---|---|
| **Heat ageing –** 70 hours at 250°C<br>Hardness change<br>Tensile strength change<br>Elongation change | ISO 188 | <br>+3<br>+5<br>-7 | <br>IRHD<br>%<br>% |
| **Immersion in IRM 903 oil -** 70 hours at 175°C<br>Hardness change<br>Elongation at break change<br>Tensile strength change<br>Volume change | ISO 1817 | <br>-1<br>-2<br>-17<br>+1.4 | <br>IRHD<br>%<br>%<br>% |

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