

## FKM 75 Compound 51414



ERIKS' 51414 is a standard grade FKM co-polymer compound, based on Genuine Viton® with a broad chemical resistance and good compression set values.

### 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

- Wide range of chemicals
- Hydrocarbons at high temperature
- Covalent or non polar solvents
- Vacuum

### 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        | 75±5  | IRHD |
| Elongation at break                             | ISO 37        | 221   | %    |
| Tensile strength                                | ISO37         | 13.1  | MPa  |
| 100% Modulus                                    | ISO 37        | 6.6   | MPa  |
| <b>Compression set</b> – 24 hours at 200°C Slab | ISO 815       | 16    | %    |

Table 2: Ageing properties

| Property                               | Test standard | Value | Unit |
|--|---------------|-------|------|
| <b>Heat ageing</b> – 70 hours at 250°C | ISO 188       |       |      |
| Hardness change                        |               | +5    | IRHD |
| Elongation at break change             |               | -16   | %    |
| Tensile strength change                |               | -7    | %    |