

FKM 80-compound 514301 - Technical Data Sheet

1. Introduction

FKM 514301-compound is based on a FKM copolymer.

2. Product Description

Chemical Composition : Copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride, plus other chemicals

Physical form : O-Rings / Mouldings

Colour : Black

Odour : None

Storage stability* : Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	80 ± 5 IRHD
Tensile Strength at break	ISO 37	min 14,7 MPa
Elongation at break	ISO 37	min 146%
Specific Weight	ISO 2781	1,83
Compression Set 25% compression - 24h/200°C on slab	ISO 815 ISO 815	max 15%
Heat Ageing 7 days/150 °C	ISO 188	
Hardness Change		max -4°
Volume Change		max +3%

4. Temperature Resistance

- -20° to +200°C
- TR10 (low temp. resistance): -16°C

5. Chemical Resistance

Concentrated acids	: excellent
Acetone	: bad
Hydroxides	: excellent
Benzene	: excellent
Crude oil	: excellent
Toluene	: excellent
Fuel C	: excellent
Gasoline	: very good
BTM oil 3	: excellent
Methylene chloride	: very good
MEK	: bad
MTBE	: bad
Water <100°C	: very good

6. Advantages

- Very good compression-set
- Compression-moulded, produced in small quantities