

## Genuine Viton® A 75-compound 514302 brown Vulc-O-Ring - Technical Data Sheet



### 1. Introduction

Original Viton® A 514302-compound is based on a copolymer with 66% Fluorine content. Cure system is Bisphenol.

### 2. Product Description

Chemical Composition :	Copolymer with 66% Fluorine, Bisphenol cured
Physical form :	Extrusions / O-Rings / Mouldings / Vulc-O-Rings
Colour :	Brown
Odour :	None
Storage stability * :	Excellent

\* : Following ISO 2230 conditions

### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ASTM 868	75 ± 5 IRHD
Tensile Strength at break	ASTM 37	min. 12 MPa
Elongation at break	ASTM 37	min. 250%
Specific Weight	ASTM 2781	2,25
Compression Set 22h/175°C, on slab	ASTM 815	max. 8%
Heat Ageing 70h/250°C Hardness Change	ISO 188	max. 4°
Tensile Strength Change		max. 1 MPa
Elongation Change		max. -40%
Immersion in Oil n°3, 70h/150°C Volume Change	ISO 1817	max. -2%
Hardness Change		max. -2°
Elongation Change		max. -30%
Tensile Strength Change		max. +2 MPa

### 4. Temperature Resistance

- -20° to +200°C
- TR10 (low temp. resistance): -17°C

### 5. Chemical Resistance

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

### 6. Advantages

- Good compression-set
- Excellent resistance to oils, fuels, lubricants, most mineral acids, aliphatic and aromatic hydrocarbons.

### 7. Other Information on Vulc-O-Rings

- Tolerances standard on cross section to ISO 3302.
- Tolerances on O-Ring inside diameter according ISO 3302 up to diam. 160 mm. Bigger diameters tolerances ±0,5%.
- Smooth surface.
- Can be produced to ±0,05 mm tolerance in cross section.