

Genuine Viton® A 75 green-compound 514306 Vulc-O-Ring - Technical Data Sheet



1. Introduction

Original Viton® A 514306-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 / Mouldings / Vulc-O-Rings / O-Rings
Colour :	Green
Odour :	None
Storage stability * :	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	75 ± 5 IRHD
Tensile Strength at break	ISO 37	10,19 MPa
Elongation at break	ISO 37	232%
Specific Weight	ISO 2781	2,32
Compression Set 22h/175°C, on slab	ISO 815	5,46%
Heat Ageing 70h/250°C	ISO 188	
Hardness Change		+1,8°
Tensile Strength Change		+4,8 MPa
Elongation Change		-41%
Weight loss		-0,27 gr
Immersion in Oil n°3, 70h/150°C	ISO 1817	
Volume Change		+4,07%
Hardness Change		-1°
Elongation Change		-22%
Tensile Strength Change		-0,81 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. 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.