

Genuine Viton® A 60-compound 514329 black Vulc-O-Ring - Technical Data Sheet

1. Introduction

Genuine Viton® A 60-compound 514329 is a Bisphenol cured copolymer with 66% Fluorine content with a good compression set.

2. Product Description

Chemical Composition :	Copolymer with 66% Fluorine, Bisphenol cured
Physical form :	Extrusions / Mouldings / O-Rings / Vulc-O-Rings
Colour :	Black
Storage stability * :	± 10 years

* : Following ISO 2230 conditions



3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 2781	60 ± 5 IRHD
Elongation at break	ISO 37	292%
Tensile Strength at break	ISO 37	12,04 MPa
Specific Weight	ISO 2781	2,00
Compression set, 22h/175°C, on slab	ISO 815	6,66%
Heat Ageing, 70h/250°C	ISO 188	
Hardness Change		+2
Tensile Strength Change		-0,86 MPa
Elongation Change		-20%
Weight loss		0,11 gr
Immersion in oil n°3, 70h/150°C	ISO 1817	
Volume Change		+3,9%
Hardness Change		+1,5°
Elongation Change		-19%
Tensile Strength Change		-4,32 MPa

4. Temperature Resistance

- -20° to +200°C
- TR10: -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
BTM oil 3	: excellent
Methylene chloride	: very good
MEK	: bad
MTBE	: bad
Water < 100°C	: good

6. Advantages

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

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.