

Genuine Viton® GF 75-compound 514141 Vulc-O-Ring - Technical Data Sheet

1. Introduction

Original Viton® GF 514141-compound is a polymer with 70% Fluorine content. Cure system is Peroxide.



2. Product Description

Chemical Composition :	Terpolymer with 70% Fluorine, Peroxide cured
Physical form :	Mouldings / Vulc-O-Rings
Colour :	Black
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	19,3 MPa
Elongation at break	ISO 37	328%
Specific Weight	ISO 2781	1,88
Compression Set 22h/175°C, on slab	ISO 815	14%
Heat Ageing 70h/250°C	ISO 188	
Hardness Change		+3,8°
Tensile Strength Change		+6,33 MPa
Elongation Change		+4,4%
Immersion in Oil n°3, 70h/150°C	ISO 1817	
Volume Change		+8,74%
Hardness Change		-1,4°
Elongation Change		0%
Tensile Strength Change		-3,78 MPa

4. Temperature Resistance

- -10° to +200°C
- TR10 (low temp. resistance): -16°C

5. Advantages

- Excellent resistance to oils, organic fluids (e.g. Gasohol), hot water, steam, inorganic acids and other aqueous media.
- Best chemical resistance of Viton® family.

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.