

Genuine Viton® 70-compound 514642 green - Technical Data Sheet

1. Introduction

Original Viton® 514642-compound is a copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride with ca. 66% Fluorine. Products out of this compound are being made according to strict guidelines of DuPont Performance Elastomers. This guarantees a constant high quality level. All products carry the specific, easy recognizable emblem on their package. In conformity with FDA 177.2600.



2. Product Description

Chemical Composition :	Copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride, plus 66% Fluorine
Physical form :	O-Rings / Mouldings
Colour :	Green
Odour :	None
Storage stability * :	Excellent

* : Following ISO 2230 conditions



3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70 ± 5 IRHD
Tensile Strength at break	ISO 37	12 MPa
Elongation at break	ISO 37	200%
Specific Weight	ISO 2781	2,29
Compression Set 25% compression, 22h/200°C, on slab	ISO 815	30%
Heat Ageing 168h/250°C	ISO 188	
Hardness Change		+7°
Tensile Strength Change		-25%
Elongation Change		-23%
Brittleness at	ASTM D 2137 A	-25°C



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
BTM oil 3	: excellent
Methylene chloride	: very good
MEK	: bad
MTBE	: bad
Water < 100°C	: very good

6. Advantages

- For Chlorinated solvents, synthetic lubricants, diesel fuel, petroleum oils, most hydrocarbons.

7. Other Information

- FDA compliant to CFR 21 177.2600.
- This compound is ADI (Animal Derived Ingredient Free).

