

## Genuine Viton® 70-compound 514270 - Technical Data Sheet

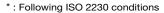
### 1. Introduction

Original Viton® 514270-compound is a copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride with ca. 66% Fluor. Products out of this compound are being made according to strict guidelines of DuPont Dow Elasomers. This guarantees a constant high quality level. Conform to FDA 21 CFR 177.2600.

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## 2. Product Description

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



#### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70° ± 5° Shore A
Tensile Strength at break	ISO 37	12 MPa
Elongation at break	ISO 37	200%
Specific Weight	ISO 2781	2,34
Tear Resistance	ISO 34-1	35 KN/mm
Compression Set	ISO 815	30%
22h/200°C, on slab		
Heat Ageing 168h/250°C	ASTM D 573	
Hardness Change		+7°
Tensile Strength Change		-25%
Elongation Change		-23%
Brittleness point	ASTM 2137 A	-25°C



#### 4. Temperature Resistance

-20° to +200°C

Water < 100°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

very good

#### 6. Advantages

 Good resistance to chlorinated solvents, synthetic lubricants, diesel fuel, petroleum oils, most hydrocarbons.

# 7. Safety and Handling

Read and be guided by the recommendations in the DuPont Dow Elastomers technical bulletin H-71129-02, 'Handling Precautions for Viton® and Related Chemicals'.

# 8. Other Information

 This compound is ADI (Animal Derived Ingredient Free).

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.