

## Genuine Viton® A 75-compound 514641 - Technical Data Sheet

### 1. Introduction

Original Viton® 514641-compound is based on a 100% Genuine Viton® polymer. Products out of this compound are being made according to strict guidelines of DuPont Dow 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-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals
Physical form :	O-Rings / Mouldings / Extrusions / Vulc-O-Rings
Colour :	Black
Odour :	None
Solubility :	Low molecular weight Esters and Ketones
Storage stability * :	Excellent

\* : Following ISO 2230 conditions

### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ASTM D 3340	75° ± 5° IRHD
Tensile Strength at break	ISO 37	10.9 MPa
Elongation at break	ISO 37	268%
Specific Weight	ISO 2781	2,0
Compression Set 22h/200°C, on slab	ISO 815	7,7%
Heat Ageing 70h/250°C	ASTM D 573	
Hardness Change		+3° IRHD
Tensile Strength Change		+3.7 MPa
Elongation Change		- 31%

### 4. Temperature Resistance

- 20° to +200°C
- TR10 (low temp. resistance): -16°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. 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'.

### 7. Other Information

- This genuine Viton® 514641-compound is formulated to FDA compliance CFR Section 177.2600 for aqueous and fatty foods. This means carbon black compound is below 10% class 1. This compound is migration tested in compliance with FDA norms by independent labs and certificate is available on request.
- This compound is ADI (Animal Derived Ingredient Free).

