

Genuine Viton® A 70-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 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-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals
Physical form :	O-Rings / Mouldings / Extrusions / Vulc-O-Rings
Colour :	Black
Odour :	None
Storage stability * :	Excellent

* : Following ISO 2230 conditions



3. Physical Properties

Test Method	Norm	Test Values
Hardness	ASTM D 3340	70 ± 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	ISO 188	
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. 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.

