

## Genuine Viton® 75-compound 51414 green - Technical Data Sheet

### 1. Introduction

Original Viton® 51414 green-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.



### 2. Product Description

Chemical Composition :	Copolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals
Physical form :	O-Rings / Mouldings
Colour :	Green - RAL 6011
Odour :	None
Storage stability* :	Excellent

\* : Following ISO 2230 conditions

### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	75 ± 5 IRHD
Tensile Strength at break	ISO 37	min 12 MPa
Elongation at break	ISO 37	min 170%
Specific Weight	ISO 2781	2,07
Compression Set	ISO 815	
25% compression - 24h/200°C on slab	ISO 815	max 14%
on O-Ring (3,53 mm)		max 19%
Heat Ageing 70h/200°C	ISO 815	
Hardness Change		max +5°

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

### 6. Advantages

- Very good compression-set
- Stock item for ca 2000 dimensions
- Labeled with Viton® stickers

### 7. Other Information

- Green colour RAL 6011 (04)