

Genuine Viton® X-ring 51414 - Technical Data Sheet

1. Introduction

Original Viton® X-ring 514315-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 : Dipolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals

Physical form : X-Rings

Colour : Black

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 13 MPa
Elongation at break	ISO 37	min 175%
Specific Weight	ISO 2781	1,9
Compression Set	ISO 815	
25% compression - 24h/200°C	ISO 815	21%
Heat Ageing 70h/200°C	ISO 188	
Hardness Change		+7°
Tensile Strength Change		-38%
Elongation Change		+6%
Weight Change		-6%
ASTM Fuel 101 70h/200°C		
Hardness Change		-5°
Tensile Strength Change		-24%
Elongation Change		+9%
Volume Change		+12%

4. Temperature Resistance

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

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

5. Chemical Resistance

Concentrated acids	: excellent
Acetone	: bad
Hydroxides	: excellent
Benzene	: excellent
Crude oil	: excellent
Toluene	: excellent
Fuel C	: excellent
Gasoline	: very good

6. Advantages

- Very good compression set
- Stock item for ca 400 dimensions
- Viton® labeled

