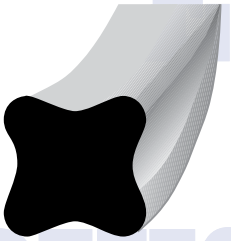
Genuine Viton® X-ring 51414 - Technical Data Sheet

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 Elasomers. 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

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	:	very good

6. Advantages

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