

Genuine Viton®-compound 514320 - Technical Data Sheet

1. Introduction

Original Viton® 514320-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	: Black
Odour	: None
Storage stability *	: Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	90 ± 5 IRHD
Tensile Strength at break	ISO 37	min 14 MPa
Elongation at break	ISO 37	min 120%
Specific Weight	ISO 2781	1,87
Compression Set	ISO 815	
25% compression - 24h/200°C on slab	ISO 815	max 14%
on O-Ring (3,53 mm)		max 18%
Heat Ageing 70h/200°C	ISO 188	
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	: very good

6. Advantages

- Very good compression-set
- Stock item for ca 1800 dimensions

7. Other Information

- Can be formulated to meet FDA 177.2600 compliance, Mil-R-83248B and AMS7276D