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 Elasomers. 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	ISO 815	
on slab		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