Genuine Viton® 90-compound 514690 - Technical Data Sheet

1. Introduction

Original Viton® 514690-compound is based on a 100% Genuine Viton® polymer. Products out of this compound are being made according to strict guidelines of DuPont Dow Elasomers. This guarantees a constant high quality level. All products carry the specific, easy recognizable emblem on their package. In conformity with FDA 177.2600.

2. Product Description

Chemical Composition	:	Dipolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals
Physical form	:	O-Rings / Mouldings
Colour	:	Black
Odour	:	None
Solubility	:	Low molecular weight Esters and Ketones
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 14,8 MPa
Elongation at break	ISO 37	min 119%
Specific Weight	ISO 2781	1,84
Compression Set	ISO 815	
25% compression - 24h/200°C	ISO 815	
on slab		max 12%
Heat Ageing 7 days/150°C	ISO 188	
Hardness Change		max -1°
Volume Change		max +2%

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
Steam > 120°C	:	bad

6. Advantages

- Very low compression-set
- Compression-moulded, produced in small quantities
- Migration tested in compliance with FDA 177.2600 class 1 (certificate on request)

7. Safety and Handling

Read and be guided by the recommendations in the DuPont Dow Elastomers technical bulletin H-71129-02, 'Handling Precautions for Viton® and Related Chemicals'.

8. Other Information

- Produced with high purity furnace black N772
- Contains less than 10% high purity furnace black (class 1)
- This compound is ADI (Animal Derived Ingredient Free).

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