Genuine Viton® 70-compound 514270 - Technical Data Sheet

1. Introduction

Original Viton® 514270-compound is a copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride with ca. 66% Fluor. Products out of this compound are being made according to strict guidelines of DuPont Dow Elasomers. This guarantees a constant high quality level. Conform to FDA 21 CFR 177.2600.

2. Product Description

Chemical Composition	:	Copolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, with 66% Fluorine
Physical form	:	O-Rings / Mouldings
Colour	:	White
Odour	:	None
Storage stability *	:	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	*Norm*	*Test Values*
Hardness	ISO 868	70° ± 5° Shore A
Tensile Strength at break	ISO 37	12 MPa
Elongation at break	ISO 37	200%
Specific Weight	ISO 2781	2,34
Tear Resistance	ISO 34-1	35 KN/mm
Compression Set 22h/200°C, on slab	ISO 815	30%
Heat Ageing 168h/250°C	ASTM D 573	
Hardness Change		+7°
Tensile Strength Change		-25%
Elongation Change		-23%
Brittleness point	ASTM 2137 A	-25°C

4. Temperature Resistance

- -20° to +200°C
- TR10 (low temp. resistance): -17°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

- Good resistance to chlorinated solvents, synthetic lubricants, diesel fuel, petroleum oils, most hydrocarbons.

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

- This compound is ADI (Animal Derived Ingredient Free).

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