Genuine Viton® 75-compound 514305 - Technical Data Sheet

1. Introduction

Genuine Viton 514305 is a copolymer formulated in compliance with FDA 177.2600 and 3-A regulations. Cure system is Bisphenol.

2. Product Description

Chemical Composition	:	Copolymer with 66% Fluorine, Bisphenol cured
Physical form	:	Extrusions / Mouldings / Vulc-O-Rings
Colour	:	Black
Storage stability *	:	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	*Norm*	*Test Values*
Specific Weight	ISO 2781	2,32
Hardness	ISO 868	78°
Elongation at break	ISO 37	302%
Tensile Strength at break	ISO 37	13,5 MPa
Compression Set	ISO 815	
22h/175°C, on slab		5,8%
22h/200°C, on slab		7,7%
Heat Ageing 70h/250°C	ASTM D 573	
Hardness Change		+5°
Tensile Strength Change		+2%
Elongation Change		-35%
Weight Loss		0,24 gr

4. Temperature Resistance

- -20 to +200°C
- TR10 (low temp.): -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

- Compliant to CFR 21 FDA 177.2600 and 3-A 18-03 compliant to class 1.
- Excellent resistance to oils, fuels, lubricants, most mineral acids, aliphatic and aromatic hydrocarbons.
- Certificates on demand.

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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