

## Genuine Viton® A 75 white-compound 514304 - Technical Data Sheet

### 1. Introduction

Original Viton® A 514304-compound is based on a copolymer with 66% Fluorine content. Cure system is Bisphenol. In conformity with FDA 177.2600.

### 2. Product Description

|                        |   |
|------------------------|---|
| Chemical Composition : | Copolymer with 66% Fluorine, Bisphenol cured    |
| Physical form :        | Extrusions / Mouldings / Vulc-O-Rings / O-Rings |
| Colour :               | White   |
| Odour :                | None  |
| Storage stability * :  | Excellent                                       |

\* : Following ISO 2230 conditions

### 3. Physical Properties

| Test Method                     | Norm     | Test Values |
|---------------------------------|----------|-------------|
| Hardness                        | ISO 868  | 75 ± 5 IRHD |
| Tensile Strength at break       | ISO 37   | 12,1 MPa    |
| Elongation at break             | ISO 37   | 335%        |
| Specific Weight                 | ISO 2781 | 2,44        |
| Compression Set                 | ISO 815  |             |
| 22h/175°C, on slab              |          | 6,2%        |
| Heat Ageing 70h/250°C           | ISO 188  |             |
| Hardness Change                 |          | +3°         |
| Tensile Strength Change         |          | +2 MPa      |
| Elongation Change               |          | -43%        |
| Immersion in Oil n°3, 70h/150°C | ISO 1817 |             |
| Volume Change                   |          | +3,3%       |
| Hardness Change                 |          | -3°         |
| Elongation Change               |          | -17%        |
| Tensile Strength Change         |          | -0,6 MPa    |

### 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 |
| ASTM oil 3         | : excellent |
| Methylene chloride | : very good |
| MEK                | : bad       |
| MTBE               | : bad       |
| Water < 100°C      | : good      |

### 6. Advantages

- Excellent resistance to oils, fuels, lubricants, most mineral acids, aliphatic and aromatic hydrocarbons.

### 7. Other Information

- Is FDA compliant to CFR 21 FDA 177.2600 (class 1) and is 3-A 18-03 compliant to class 1.
- Extraction tested.
- Certificates on request.
- This compound is ADI (Animal Derived Ingredient Free).

