

FKM 75-compound 514010 white - Technical Data Sheet

1. Introduction

FKM 514010 is a Fluorocarbon copolymer for food and pharma. Conform to USP class VI and FDA 21 CFR 177.2600 class 1.

Tested and approved to 3-A Sanitary Standards Class 1.



2. Product Description

Chemical Composition :	Fluorocarbon Copolymer
Physical form :	O-Rings / Mouldings
Colour :	White
Storage stability * :	Excellent

* : Following ISO 2230 conditions



3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	75° ± 5° IRHD
Tensile Strength at break	ISO 37	10 MPa
Elongation at break	ISO 37	200%
Compression Set	ISO 815	
25% compression, 22h/200°C		14%
Heat Ageing 72h/250°C	ASTM D 573	
Hardness Change		max +10°
Tensile Strength Change		max -25%
Elongation Change		max -25%



4. Temperature Resistance

- 20 to +200°C

5. Chemical Resistance

Organic acids	: fair
Inorganic acids	: good
Acetone	: bad
Benzene	: good
Crude oil	: excellent
Mineral oil	: excellent
Toluene	: good
Fuel C	: excellent
Air	: very good
MEK	: bad
MTBE	: bad
Water < 100°C	: very good
Steam < 150°C	: good

6. Advantages

- Very low compression set
- Certificates on demand
- Extraction tested in compliance with FDA 177.2600 (class 1)

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).

