

FKM 75-compound 514312 black - Technical Data Sheet

1. Introduction

FKM 514312 is a Fluorocarbon copolymer for food and pharma. Conform to USP XXIII class VI and FDA 21 CFR 177.2600 class 1. Meets the requirements of 3A Sanitary Standards class I. Certified by Toxicon Laboratory.

2. Product Description

Chemical Composition	: Fluorocarbon Copolymer
Physical form	: O-Rings / Mouldings
Colour	: Black
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	min 10 MPa
Elongation at break	ISO 37	min 270%
Specific Weight	ASTM D 5 B	2,00
Compression Set	ISO 815	
25% compression, 24h/150°C		28%
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

- Can be delivered in small quantities in ca. 10.000 different dimensions
- 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).

