

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 (18-03) 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	D 2240	74 ± 5 IRHD
Tensile Strength at break	D 412	9,34 MPa
Elongation at break	D 412	280%
Specific Weight		1,98
Modulus 200%		7,03 MPa
Compression Set 22h/150°C	D 395B	28,1%

4. Temperature Resistance

- -20 to +204°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

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. Other Information

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

