

FKM 70-compound 514308 - Technical Data Sheet

1. Introduction

FKM 70-compound 514308 is a copolymer with 66% Fluorine. Standard industrial cord quality.

2. Product Description

Chemical Composition :	Copolymer with 66% Fluorine
Physical form :	Cord
Colour :	Black
Storage stability * :	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70° ± 5° IRHD
Elongation at break	ISO 37	170%
Tensile Strength at break	ISO 37	11 MPa
Specific Weight	ISO 2781	1,82
Compression set, 24h/200°C, on cord 5mm	ISO 815	20% max
Heat Ageing, 70h/150°C	ISO 1817	
Hardness Change		+4°
Volume Change		-0,4%
Immersion in oil n°3, 70h/150°C	ISO 1817	
Hardness Change		-10°
Volume Change		+7,5%
Immersion in FAM B 24h/23°C and drying 24h/100°C	ISO 1817	
Hardness Change		-3°
Volume Change		-0,2%

4. Temperature Resistance

- -20° to +200°C
- TR10: -16°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	: good

6. Advantages

- Resistant to chlorinated solvents, synthetic lubricants, diesel fuels, petroleum oils, most hydrocarbons.
- Standard cord compound with excellent chemical resistance.

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

- Also ask for our cord 514302 original Viton®, with better compression set resistance and in compliance with ISO 3302.
- The tolerance of this cord 514308 is in compliance with ISO 3302.