

### FKM 75-compound 514260 - Technical Data Sheet

#### 1. Introduction

FKM 75-compound 514260 is a copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride with ca. 66% Fluorine. In conformity with ASTM D2000 M2HK 710 B37 B38 C12. Made of Original Viton®.

#### 2. Product Description

Chemical Composition :	Copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride, 66% Fluorine
Physical form :	O-Rings / Mouldings
Colour :	Black
Odour :	None
Storage stability * :	Excellent

\* : Following ISO 2230 conditions

#### 3. Physical Properties

Test Method	Norm	Test Values
Hardness on slab	ISO 868	75° ± 5° Shore A
Tensile Strength at break	ISO 37	11,52 MPa
Elongation at break	ISO 37	233%
Specific Weight	ISO 2781	2,32
Modulus at 100%	ASTM D 945	7,2%
Compression Set	ISO 815	
22h/175°C, on slab		4,6%
22h/200°C, on slab		7,0%
Heat Ageing 70h/250°C	ASTM D 573	
Hardness Change		+4°
Elongation Change		-34%
Tensile Strength Change		+3,7 MPa
Weight Change		0,02 gr
Immersion in oil n°2, 70h/150°C	ISO 1817	
Hardness Change		+0,5°
Volume Change		+4,56
Elongation Change		-6,5
Tensile Strength Change		+0,47 MPa
Immersion in Fuel C, 70h/23°C	ISO 1817	
Hardness Change		-1°
Volume Change		+3%
Elongation Change		-3%
Tensile Strength Change		-0,23 Mpa

#### 4. Temperature Resistance

- 20° to +204°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, lubricants, most mineral acids, aliphatic and aromatic hydrocarbons.

#### 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'.

