FKM 70-compound 514625 - Technical Data Sheet

1. Introduction

FKM 70-compound 514625 is a copolymer with 66% Fluorine.

2. Product Description

Chemical Composition	:	Copolymer with 66% Fluorine
Physical form	:	O-Ring / Mouldings
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	15 MPa
Specific Weight	ISO 2781	1,86
Compression set, 70h/200°C, on slab	ISO 815	15%
Heat Ageing, 70h/250°C	ASTM D 573	
Hardness Change		+1°
Volume Change		+5%
Elongation Change		-9%
Immersion in oil n°3, 168h/150°C	ISO 1817	
Hardness Change		+1°
Volume Change		+3%
Tensile Change		-15%
Immersion in FAM B 48h/23°C	ISO 1817	
Hardness Change		-9°
Volume Change		+15%
Tensile Change		-30%

4. Temperature Resistance

- -20° to +200°C
- TR10 (low temperature test): -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

- Homologation DVGW for gas.

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

- Conform to DVGW DIn EN 549 E1 (0/+150°C) nr. 95.02. E 479.