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 *	1	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.

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.

01.09.2006