



## FKM 75 Compound 514701

ERIKS' 514701 is a specialist grade FKM co-polymer with a broad chemical resistance. It is specially developed for pharmaceutical applications such as triclamp gaskets. This compound is developed in conformity with USP class VI. The USP study was conducted based upon the references: USP 30, NF25, 2007.<88> Biological Reactivity Tests, in vivo. Extraction conditions  $121 \pm 2^{\circ}\text{C}$  for  $1 \pm 0,1$  hour.

### Description

**Chemical composition:** Co-polymer of Hexafluoropropylene and vinylidene fluoride

**Physical form:** Triclamps

**Colour:** Black

**Temperature resistance:**  $-20^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$

### Application

- Pharma
- Foodstuffs

### Approvals and compliances

- USP Class VI <88> <381>
- FDA 21 CFR 177.2600
- EC1935:2004
- ADI
- REACH
- RoHS

### Additional information

- Peroxide cured

Please consult our [Chemical Resistance Guide](#) for more information on this compound.



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	77	Shore A
Elongation at break	ASTM D412	195	%
Tensile strength	ASTM D412	14.5	MPa
100% Modulus	ASTM D412	6.2	MPa
<b>Compression set</b> – 24 hours at $100^{\circ}\text{C}$ Slab	ASTM D395	15	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
<b>Heat ageing</b> – 70 hours at $250^{\circ}\text{C}$	ASTM D573		
Hardness change		+2	Shore A
Elongation at break change		-13	%
Tensile strength change		-7	%
<b>Immersion in steam</b> – 70 hours at $150^{\circ}\text{C}$	ISO 1817		
Hardness change		+0.8	Shore A
Elongation at break change		+3.3	%
Tensile strength change		-0.9	%
Volume change		+1.4	%

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.