



# 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 has the following approvals: USP Class VI <88> and <381>, FDA CFR 21\$177.2600 and EC1935:2004.

## Description

**Chemical composition**: Co-polymer of Hexafluoropropylene and vindylidenefluoride

Physical form: Triclamps

Colour: Black

Temperature resistance: -20°C to +200°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 <u>Chemical Resistance Guide</u> for more information on this compound.













## Tabel 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
Compression set – 24 hours at 100°C	ASTM D395		
Slab		15	%

## Tabel 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 250°C Hardness change Elongation at break change Tensile strength change	ASTM D573	+2 -13 -7	Shore A % %
Immersion in steam – 70 hours at 150°C Hardness change Elongation at break change Tensile strength change Volume change	ISO 1817	+0.8 +3.3 -0.9 +1.4	Shore A % %

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