



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 vinylidene fluoride
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 [Chemical Resistance Guide](#) 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 Slab	ASTM D395	15	%

Tabel 2: Ageing properties

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