



Silicone 70 Compound 714703

ERIKS' 714703 is a specialist grade platinum cured silicone compound, specially developed for pharmaceutical applications such as triclamp gaskets. This compound has the following compliances: USP Class VI <88> and <87>, European Pharmacopoeia 3.1.9, FDA 21 CFR 177.2600 and EC1935:2004.

Description

Chemical composition: Methyl-vinyl silicone rubber
Physical form: Triclamp gaskets, O-rings
Colour: Transparent
Temperature resistance: -50°C to +200°C

Application

- Pharmaceutical
- Food contact

Compliances

- USP Class VI <88> ET121°C
- USP Class VI <87>
- European Pharmacopoeia 3.1.9
- ISO 10993 - 5,6,10,11
- FDA 21 CFR 177.2600
- EC 1935:2004
- ADI free
- Phtalates free
- Bisphenol A free
- REACH
- RoHS

Additional information

- FDA 21 CFR 177.2600 extraction tested
- EN1186 migration tested



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 7619	70±5	Shore A
Elongation at break	ISO 37	641	%
Tensile strength	ISO 37	10.3	MPa
100% Modulus	ISO 37	1.9	MPa
Compression set – 24 hours at 175°C	ISO 815	26	%

Table 2: Ageing Properties

Property	Test standard	Value	Unit
Heat ageing – 168 hours at 175°C	ISO 188		
Hardness change		+4	Shore A
Elongation at break change		-12	%
Tensile strength change		-13	%