

Silicone 70 Compound 714177

ERIKS' 714177 is a standard grade silicone compound for general purpose usage and has FDA 21 CFR 177.2600 and EC1935:2004 compliance.



Description

- **Chemical composition:** Methyl-vinyl silicone rubber
- **Physical form:** O-rings, moulded parts
- **Colour:** Rust
- **Temperature resistance:** -60°C to +220°C

Application

- General purpose
- Food contact
- Low and high temperature

Compliances

- FDA 21 CFR 177.2600
- EC1935:2004
- ADI
- REACH, RoHS

Additional information

- Wide range of O-rings available from stock
- Extraction tested
- Migration tested

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	72±5	IRHD
Elongation at break	ISO 37	250	%
Tensile strength	ISO 37	6.5	MPa
Compression set – 24 hours at 175°C	ISO 815		
Slab		16	%
O-ring 3.53mm		30	%
Low temperature resistance TR10	ISO 2921	-60	°C

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 225°C	ISO 188		
Hardness change		+5	IRHD
Elongation at break change		-29	%
Tensile strength change		-25	%
Volume change		-4.4	%