



VMQ 70 Compound 714177

This compound is our standard silicone compound for a wide range of applications including food applications due to its Food Contact Materials compliances of Europe (EC1935), China (GB) and USA (FDA).

Characteristics

- Colour: Rust
- Temp. resistance low: -60 °C
- Temp. resistance high: 220 °C
- Hardness tolerance: -5/+5



Approval & Compliancy details

For Food & Beverage compliances, see Declaration of Compliance for typical application of the compound.

- ADI Free
- AfPS GS 2014:01 Cat.2
- Bisphenol A free
- Chinese Food GB4806.11-2016
- Chinese Food GB9685-2016
- EC1935:2004
- FDA 21CFR177.2600 a-d, e, f
- REACH
- RoHS

Products

- Milkcoupling seals
- O-rings and custom parts (moulded)

Table: Physical Properties

Property	Value	Unit
Hardness Shore A - Slab	72	
Hardness - Test standard	ASTM D2240	
Compression set - Slab	14	%
Compression set - Duration @ temperature	22 hours at 175°C	
Compression set Test standard	ASTM D395	
Elongation at break	250	%
Elongation at break - Test standard	ASTM D412	
Tensile strength	6.5	MPa
Tensile strength - Test standard	ASTM D412	
100% Modulus	4.15	MPa
100% Modulus - Test standard	ASTM D412	

Disclaimer: The datasheet shows typical values and is verified against internal material specifications. 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 used without advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Table: Heat ageing

Property	Value	Unit
Heat ageing - Duration @ temperature	70 hours at 225°C	
Heat ageing - Hardness change Shore A	+6	
Heat ageing - Elongation at break change	-27	%
Heat ageing - Tensile strength change	+17	%
Heat ageing - Volume change	-4.4	%
Heat ageing - Test standard	ASTM D573	