

VMQ Silicone 714747 - Technical Data Sheet

1. Introduction

Silicone compound 714747 is in compliance with FDA 177.2600 for food and pharma. Peroxide cured.

2. Product Description

Chemical Composition	: Vinyl Methyl Silicone Rubber
Physical form	: O-Rings / Mouldings
Colour	: Transparent
Odour	: None
Storage stability *	: ± 10 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	40° ± 5° IRHD
Tensile Strength at break	ISO 37	min 8 MPa
Elongation at break	ISO 37	min 600%
Specific Weight	ISO 2781	1,17
Compression Set	ISO 815	
25% compression - 22h/175°C on O-Ring (3,53 mm)		max 30%
Heat Ageing 70h/200°C	ISO 188	
Hardness Change		max +8°

4. Temperature Resistance

- -60° to +200°C continuous

5. Chemical Resistance

SIP	: very good
CIP	: bad
Heat Ageing	: excellent
Sterilisation	: excellent

6. Advantages

- Low compression set
- Migration tested in compliance with FDA 177.2600 class 1 (certificate on request)

7. Other Information

- Other colours on demand
- This compound is ADI (Animal Derived Ingredient Free).

