

### VMQ Silicone Cord ST-EC-60-001 - Technical Data Sheet

#### 1. Introduction

Silicone compound ST-EC-60-001 is in compliance with FDA 177.2600, USP VI and Bfr for food, pharma and medical applications. Peroxide cured. Standard cord quality compound.

#### 2. Product Description

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

\* : Following ISO 2230 conditions

#### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	60° ± 5° IRHD
Tensile Strength at break	ISO 37	min 10 MPa
Elongation at break	ISO 37	min 450%
Specific Weight	ISO 2781	1,17
Compression Set	ISO 815	
25% compression - 22h/175°C on O-Ring (3,53 mm)		25%

#### 4. Temperature Resistance

- -60° to +200°C

#### 5. Chemical Resistance

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

#### 6. Advantages

- Low compression set
- Stock item in standard cord dimension
- USP Class VI, FDA 177.266, BGVV-conform
- Migration tested in compliance with FDA 177.2600 class 1 (certificate on request)

#### 7. Other Information

- Tolerances in compliance with ISO 3302-1E2 / ISO 3302
- Other colours on demand
- This compound is ADI (Animal Derived Ingredient Free).

