

## VMQ Silicone Cord 714217 - 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 :        | 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<br>25% compression - 22h/175°C<br>on O-Ring (3,53 mm) | ISO 815         | 25%         |

### 4. Temperature Resistance

- -60° to +200°C

### 5. Chemical Resistance

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

### 6. Advantages

- Good compression set
- Stock item in standard cord dimension
- USP Class VI, FDA 177.266, Bfr-conform
- Migration tested in compliance with FDA 177.2600 class 1 (certificate on request)
- 3-A 18-03 compliant to class 1

### 7. Other Information

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

