

VMQ Silicone 70 714003 blue - Technical Data Sheet

1. Introduction

Silicone compound 714003 blue is a platinum cured silicone compound, designed for the food industry. In conformity with FDA 21 CFR 177.2600



2. Product Description

| | |
|----------------------|--|
| Chemical Composition | : Vinyl Methyl Silicone Rubber, Platinum cured |
| Physical form | : O-Rings / Mouldings |
| Colour | : Blue |
| Storage stability * | : ± 10 years |

* : Following ISO 2230 conditions



3. Physical Properties

| Test Method | Norm | Test Values |
|---|----------------------|------------------|
| Hardness | ISO 868 | 70° ± 5° Shore A |
| Specific Weight | ASTM D 297 | 1,18 |
| Tensile Strength at break | ISO 37 | 10 MPa |
| Elongation at break | ISO 37 | 620% |
| Tear resistance | ISO 34-1 | 24 N/mm |
| Compression Set 25% compression - 22h/175°C on slab | ISO 815 ASTM 395B | 21% |

4. Temperature Resistance

- -60° to +200°C

5. Chemical Resistance

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

6. Advantages

- Low compression set
- Certificates on demand

7. Other Information

- In conformity with FDA 21 CFR 177.2600 class 1
- Blue (RAL 5002)
- Other colours on demand
- Platinum cured USP class VI quality available on demand
- This compound is ADI (Animal Derived Ingredient Free).

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.