



Silicone WS 2003 - Technical Data Sheet

1. Introduction

Silicone compound WS 2003 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 : White
Odour : None
Storage stability * : ± 10 years

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	40 \pm 5 IRHD
Tensile Strength at break	ISO 37	min 8 MPa
Elongation at break	ISO 37	min 650%
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 +9°



4. Chemical Resistance

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

5. Temperature Resistance

• -60° to +200°C continuous

6. Advantages

• Good compression set



7. Other Information

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