



Silicone compound WS 2001 - Technical Data Sheet

1. Introduction

Phenyl Silicone compound 65-75 IRHD. Silicone rubber with phenyl, vinyl, methyl substituent groups on the polymer chain.

2. Product Description

Chemical Composition :

Silicone Rubber having phenyl, vinyl and methyl groups on the Polymer Chains
O-Rings
Red
None
10 years

Physical form :

Colour :

Odour :

Storage stability * :



3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70 ± 5 IRHD
Tensile Strength at break	ISO 37	8,5 MPa
Elongation at break	ISO 37	450%
Specific Weight	ISO 2781	1,25
Compression Set	ISO 815	21%
25% compression - 70h/100°C		
Heat Ageing 70h/200°C		
Hardness Change	ISO 48	6
Tensile Strength Change	ISO 37	-18%
Elongation at break Change ISO 37		-30%
Low Temperature Resistance		
Non-brittle after 3 min. at		-90°C



4. Chemical Resistance

Air : excellent

Alcohol : satisfactory

Hydrocarbons : unsatisfactory

Fats : good

Vegetable oils : good

Silicone oils : unsatisfactory

Ethers/esters : unsatisfactory

Acids : good

Steam : poor at high temperatures;

ok up to 130°C

5. Temperature Resistance

• -100° to +250°C

6.

Advantages

- Low temperature resistance
- Excellent heat resistance plus ultra low temperature flexibility
- Used for dry static seals

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