



# O-Ring Silicone Technical Datasheet

## Description

Silicone O-Rings are commonly used within food, beverage and pharmaceutical applications. They have one of the widest temperature range of any O-ring material.

## Application

Silicone O-Rings have excellent heat and flame resistance together with very good ageing and weathering characteristics. They have relatively poor tear resistance so should be used in static applications.



## Typical Physical Properties

Polymer		Silicone
Density	ASTM D297	1.30g/cc
Hardness	ASTM D2240	70 Shore A +/-5
Tensile Strength	ASTM D412	7.12 MPA
Elongation	ASTM D412	263%
Compression Set	ASTM D395 B	11% (22hrs @100°)
Temperature		-90 to 200°C

## Availability

<b>Size</b>	1mm to 600mm (in one piece), others on request
<b>Cross Section</b>	1mm x 12mm, others on request
<b>Standards</b>	BS1806, BS4518, ISO/DIN 3601,
<b>Specification</b>	ASTM D2000 M7GE 705 A19 B37 EA14 EO16 EO36 F19
<b>Colour</b>	Red
<b>Materials</b>	Full range on request

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