

# MC368 Silicone 60 Shore Red FDA

## ASTM D 2000 M2GE 6110 A19B37E036

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### Material

Silicone 60 Shore Red FDA  
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### Description

- Low compression set Silicone Material, extrusion grade
- FDA compliant to CFR 21 177-2600
- ADI Free

### Application

This material has excellent thermal resistance to both high and low temperatures, is good with oxygen and ozone attack and has a very high permeability resistance along with good elongation properties.

### Temperature

- Low temperature service limit -76°F (-60°C)
- Upper temperature service limit +482°F (+250°C in air)

### Products

- Inflatable Seals

### Physical Properties

Original	Standard	Typical Values
Specific Gravity	ASTM D1817	1.2
Durometer shore A (slab)	ASTM D2240	62
Elongation % (Dumbbell)	ASTM D412	516.8
Tensile strength Psi (MPa) (Dumbbell)	ASTM D412	1450 (10)
Compression set % 24h @ 302°F (105°C) (slab)	ASTM D395B	12.8

### Heat Ageing 240h @ 392°F (200°C) ASTM D573

Durometer change points shore A	+8
Elongation % retained	64
Tensile strength % retained	84

### Fluid Immersion Oil No 1 72h @ 212°F (100°C) ASTM D471

Volume change %	+4
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### Information

The above information corresponds to our current knowledge and is offered solely to provide possible suggestions for your own experimentations. It is not intended to substitute any testing you may need to conduct to determine suitability of our products for your end use. Northern Engineering reserves the right to revise this information as new knowledge and experience becomes available. Northern Engineering makes no warranties and assumes no liability in connection with any use of the above information.

