



### MATERIAL

Silicone 60 Shore FDA Red  
ASTM D 2000 M2GE 610 A19B37E036

### DESCRIPTION

Low compression set Silicone O ring material  
Extrusion grade  
FDA compliant to CFR 21 177-2600

### 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.

### TEMPERATURE

Low temperature service limit -76°F (-60°C)  
Upper temperature continuous service limit +446°F (+230°C)

### PRODUCTS

Encapsulated Seals  
Extrusions (cord/profiles/tubes)  
Hot Vulcanised O rings & Profiles

### PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ASTM D1817	1.46
Durometer shore A (slab)	ASTM D2240	61
Elongation % (Dumbbell)	ASTM D412	340.62
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1494 (10.3)
Compression set % 22h @ 347°F (175°C) (slab)	ASTM D395B	32.89

#### HEAT AGEING 70h @ 437°F (225°C) ASTM D573

Durometer change points shore A	-2
Elongation change %	-9.7
Tensile strength change Psi (Mpa)	-247 (-1.7)
Weight loss grams	-0.01

#### FLUID IMMERSION Oil No 3 70h @ 302°F (150°C) ASTM D471

Volume change %	+48
Durometer change points shore A	-27.4
Elongation change %	-28
Tensile strength change Psi (Mpa)	-609 (-4.2)

#### Information

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