

**MATERIAL**

Silicone 60 Shore FDA Red  
ASTM D 2000 M2GE 6110 A19B37E036

**DESCRIPTION**

Low compression set Silicone material  
Extrusion grade  
FDA compliant to CFR 21 177-2600 & European regulations EC1935/2004  
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 continuous 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**

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