



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 and is good with oxygen and ozone attack.

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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