



Overview

SI300R02 is an orange FDA compliant, 30 shore A Silicone VMQ rubber designed for use in food and a wide range of industry applications.

Features & Benefits

- FDA compliant to 21 CFR 177.2600
- Good resistance to ozone, detergent, salt water, vegetable, and animal oils and much more.
- Available in a variety of colors and durometers and shapes.

Service Temperature

- -60°C to 205°C (-75°F to 401F)

Specification

- ASTM D2000 M2GE303 A19 B37 E016 E036

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Orange	Orange
Hardness, Shore A	30+/-5	30
Tensile Strength, psi (MPa)	432 min	650 (4.5)
Elongation	300% min	610%



Table 2. A19 - Heat Aging - 70 hrs at 225°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	-25 max	-9
Elongation, %	-30 max	+10

Table 3. B37 - Compression Set - 22 hrs at 175°C

Test (Change)	Requirements	Results
Permanent Set, %	25 max	11

Table 4. E016 - IRM 901 Oil Resistance - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to 0	-5
Tensile Strength, %	-30 max	-20
Elongation, %	-30 max	-19
Volume, %	0 to +15	+1

Table 5. E036 - IRM 903 Oil Resistance - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-30 max	-10
Volume, %	+60 max	+25

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)