

Overview

SI400R00 is an orange, Peroxide cured, 40 shore A Silicone VMQ rubber designed for use in a wide range of industrial applications.

Features & Benefits

- Low durometer.
- 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 400F)

Specification

- ASTM D 2000 M2GE405 A19 B37 E016 E036

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Orange	Orange
Hardness, Shore A	40+/-5	40
Tensile Strength, psi (MPa)	725 min (6.6)	957 (6.6)
Elongation	300% min	345%
Specific Gravity, g/cm ³		1.10



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	-20
Elongation, %	-30 max	-2

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	-7
Tensile Strength, %	-30 max	+3
Elongation, %	-30 max	+40
Volume, %	0 to +15	+10

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	+50

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