



Overview

SI600R06 is an orange, platinum cured, FDA compliant, USP Class VI, 60 shore A, Silicone VMQ rubber designed for use in medical device and pharmaceutical applications and a wide range of sensitive industrial applications.

Features & Benefits

- Platinum Cured
- FDA compliant to 21 CFR 177.2600
- USP Class VI
- Available in a variety of colors and durometers and shapes.

Service Temperature

- -55°C to 205°C (-67°F to 401F)

Specification

- ASTM D 2000 M5GE606 A19 B37 E016 E036 F19

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Orange	Orange
Hardness, Shore A	60+/-5	60
Tensile Strength, psi (MPa)	870 min	1540 (10.6)
Elongation	200% min	650%
Specific Gravity, g/cm ³		1.15



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	-25 max	+10
Elongation, %	-30 max	-22

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	14

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

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to 0	-5
Tensile Strength, %	-20 max	+8
Elongation, %	-20 max	+7
Volume, %	0 to +10	+4

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

Test (Change)	Requirements	Results
Hardness, Shore A	-30 max	-11
Volume, %	+60 max	+37

Table 6. F19 - Low Temp Brittleness Test - 3 mins at -55°C

Test (Change)	Requirements	Results
Brittleness	Non-Brittle	Non-Brittle