



## Overview

SI600R00 is an orange FDA compliant, Peroxide cured, 60 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
- Comparable to Parker S1138-70
- 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 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	928 (6.4)
Elongation	200% min	292%
Specific Gravity, g/cm <sup>3</sup>		1.19



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	-9
Elongation, %	-30 max	-12

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	10

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

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to 0	-4
Tensile Strength, %	-20 max	-5
Elongation, %	-20 max	+1
Volume, %	0 to +10	+6

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

Test (Change)	Requirements	Results
Hardness, Shore A	-30 max	-13
Volume, %	+60 max	+27

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

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