



Overview

SI600R20 is an orange, extreme low temperature, 60 shore A Silicone VMQ rubber designed for use in a wide range of applications. SI600R20 is capable of functioning in extreme temperatures as low as -80°C (-112°F)

Features & Benefits

- Extreme Low Temperature.
- Low hardness
- 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

- -80°C to 205°C (-112°F to 401F)

Specification

- ASTM D 2000 M2GE605 A19 B37 E016 E036

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Orange	Orange
Hardness, Shore A	60+/-5	61
Tensile Strength, psi (MPa)	725 min	812 (5.6)
Elongation	200% min	260%



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+3
Tensile Strength, %	-25 max	-12
Elongation, %	-30 max	-25

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	22

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to 0	-3
Tensile Strength, %	-30 max	-15
Elongation, %	-30 max	-10
Volume, %	0 to +15	+8

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

Test (Change)	Requirements	Results
Volume, %	+60 max	+48

Table 6. Low Temp Brittleness Test - 3 mins at -100°C

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

SI600R20 is now available on the Canyon Components [online store!](#)