



Compound
19601
SILICONE
60 DUROMETER
RUST RED COLOR

PRODUCT DATA SHEET

Compound 19601 is a 60 durometer rust red colored Silicone elastomer. It exhibits excellent low temperature flexibility and has good resistance to compression set.

This compound will meet or exceed the specifications listed and has the following physical properties:

ASTM D2000 3 GE 604 A19 B37 F19 EA14 G11

ZZ-R-765 Class 1a & 1b Grade 60
A-A-59588 Class 1a & 1b Grade 60
AMS 3303
AMS 3336

Original Properties

| | | |
|---------------------------|---------------|-----------|
| Modulus @ 100% Elongation | 225 psi | 1.6 MPa |
| Tensile Strength | 667 psi | 4.6 MPa |
| Ultimate Elongation | 410 % | |
| Hardness, Shore A | 60 Durometer | |
| Specific Gravity | 1.42 grams/cc | |
| Brittleness Temperature | < -104 °F | < -76 °C |
| Tear Resistance, Die B | 58 ppi | 10.2 kN/m |
| Tear Resistance, Die C | 79 ppi | 13.8 kN/m |

Compression Set

| | |
|-------------------------------|--------|
| Plied: 22 hrs @ 212°F (100°C) | 6.4 % |
| Plied: 22 hrs @ 302°F (150°C) | 15.5 % |
| Plied: 22 hrs @ 347°F (175°C) | 16.9 % |

HEAT AGED: 70 hrs @ 392°F (200°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | + 8.2 % |
| Change - Elongation | - 12.2 % |
| Change - Hardness, Shore A | + 5 |

HEAT AGED: 70 hrs @ 437°F (225°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | + 9.4 % |
| Change - Elongation | - 22.0 % |
| Change - Hardness, Shore A | + 5 |

HEAT AGED: 22 hrs @ 437°F (225°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | + 12.0 % |
| Change - Elongation | - 14.6 % |
| Change - Hardness, Shore A | + 2 |



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DISTILLED WATER AGED: 70 hrs @ 212°F (100°C)

Change - Hardness, Shore A 0
Change - Volume + 0.7 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength - 7.0 %
Change - Elongation - 12.2 %
Change - Hardness, Shore A - 3
Change - Volume + 4.7 %

ASTM OIL #1: 70 hrs @ 302°F (150°C)

Change - Tensile Strength - 7.0 %
Change - Elongation - 26.8 %
Change - Hardness, Shore A - 4
Change - Volume + 6.8 %

ASTM OIL #1: 70 hrs @ 347°F (175°C)

Change - Tensile Strength - 6.6 %
Change - Elongation - 24.4 %
Change - Hardness, Shore A - 4
Change - Volume + 6.8 %

ASTM OIL #3: 70 hrs @ 302°F (150°C)

Change - Hardness, Shore A - 19
Change - Volume + 61.4 %