



Compound
19711
 SILICONE
 70 DUROMETER
 SALMON COLOR

PRODUCT DATA SHEET

Compound 19711 is a 70 durometer salmon colored general purpose Silicone elastomer. It exhibits good resistance to heat and compression set and will remain non brittle at very low temperatures.

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

- ASTM D2000 3 FC 710 A19 B37 EO16 F1-11 EA14
- 5 GE 709 A19 B37 EA14 EO16 EO36 F19 G11
- 7 GE 707 A19 B37 EA14 EO16 EO36 F19 G11
- 6 GE 704 A19 B37 EA14 EO16 EO36 F19 G11

- AMS 3304
- AMS 7268
- ZZ-R-765 Class 2a & 2b Grade 70
- A-A-59588 Class 2a & 2b Grade 70
- AMS 3357

This Compound is RoHS Compliant



Original Properties

Modulus @ 100% Elongation	668 psi	4.6 MPa
Tensile Strength	1,319 psi	9.1 MPa
Ultimate Elongation	225 %	
Hardness, Shore A	75 Durometer	
Specific Gravity	1.26 grams/cc	
Brittleness Temperature	< -103 °F	< -75 °C
Tear Resistance, Die B	86 ppi	15.1 kN/m
Tear Resistance, Die C	108 ppi	18.9 kN/m

Compression Set

Plied: 22 hrs @ 347°F (175°C)	16.9 %
Plied: 70 hrs @ 302°F (150°C)	17.8 %

HEAT AGED: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	- 2.2 %
Change - Elongation	- 1.3 %
Change - Hardness, Shore A	+ 4



Compound

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70 DUROMETER
SALMON COLOR**PRODUCT DATA SHEET****HEAT AGED: 70 hrs @ 437°F (225°C)**

Change - Tensile Strength	- 13.5 %
Change - Elongation	- 13.3 %
Change - Hardness, Shore A	+ 4

HEAT AGED: 22 hrs @ 437°F (225°C)

Change - Tensile Strength	- 10.0 %
Change - Elongation	- 13.1 %
Change - Hardness, Shore A	+ 4
Change - Volume	- 2.0 %

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

Change - Hardness, Shore A	0
Change - Volume	+ 0.1 %

ASTM OIL #1 (IRM 901): 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 3.9 %
Change - Elongation	- 2.2 %
Change - Hardness, Shore A	- 2
Change - Volume	+ 5.0 %

ASTM OIL #1 (IRM 901): 70 hrs @ 347°F (175°C)

Change - Tensile Strength	- 5.5 %
Change - Elongation	+ 2.2 %
Change - Hardness, Shore A	- 2
Change - Volume	+ 3.8 %

ASTM OIL #3 (IRM 903): 70 hrs @ 302°F (150°C)

Change - Hardness, Shore A	- 13
Change - Volume	+ 37.4 %

TR-10 : ASTM D1329 (10% Retraction @ °F)

Temperature	- 53.0 °F
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