



Compound
19711 (Current)
 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 G11 F19
- 7 GE 707 A19 B37 EA14 EO16 EO36 G11 F19
- 6 GE 704 A19 B37 EA14 EO16 EO36 G11 F19

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



Original Properties

Modulus @ 100% Elongation	410 psi	2.8 MPa
Tensile Strength	1,171 psi	8.1 MPa
Ultimate Elongation	253 %	
Hardness, Shore A	72 Durometer	
Specific Gravity	1.19 grams/cc	
Brittleness Temperature	< -103 °F	< -75 °C
TR-10 Temperature	-49 °F	-45 °C
Tear Resistance, Die B	65.0 ppi	11.4 kN/m
Tear Resistance, Die C	93.0 ppi	16.3 kN/m

Compression Set

Plied: 22 hrs @ 347°F (175°C)	10.4 %
Plied: 70 hrs @ 302°F (150°C)	14.4 %

HEAT AGED: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	+ 1.1 %
Change - Elongation	+ 2.8 %
Change - Hardness, Shore A	+ 2



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HEAT AGED: 70 hrs @ 437°F (225°C)

Change - Tensile Strength	- 9.3 %
Change - Elongation	- 10.3 %
Change - Hardness, Shore A	+ 2

HEAT AGED: 22 hrs @ 437°F (225°C)

Change - Tensile Strength	- 9.9 %
Change - Elongation	- 7.9 %
Change - Hardness, Shore A	+ 3

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

Change - Hardness, Shore A	0
Change - Volume	0.0 %

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

Change - Tensile Strength	- 14.3 %
Change - Elongation	- 8.7 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 3.7 %

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

Change - Tensile Strength	- 21.1 %
Change - Elongation	- 25.8 %
Change - Hardness, Shore A	- 2
Change - Volume	+ 5.0 %

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

Change - Hardness, Shore A	- 18
Change - Volume	+ 40.0 %