



Compound
19748
 SILICONE
 70 DUROMETER - SALMON COLOR
 FDA SANCTIONED MATLERIAL

PRODUCT DATA SHEET

Compound 19748 is a 70 durometer salmon colored Silicone elastomer, itis formulated with FDA sanctioned materials. It exhibits good resistance to heat 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 5 GE 709 A19 B37 EA14 EO16 EO36 F19 G11
- 6 GE 709 A19 B37 EA14 EO16 EO36 F19 G11
- 7 GE 709 A19 B37 EA14 EO16 EO36 F19 G11
- 3 FC 710 A19 B37 EA14 EO16 F1-11 G11
- M5 GE 706 A19 B37 EA14 EO16 EO36 F19 G11

- ZZ-R-765 Class 2a & 2b Grade 70
- A-A-59588 Class 2a & 2b Grade 70
- 3-A Sanitary Standards 18-03 Class III & IV
- AMS 3304
- CFR 21 177.2600

This Compound is RoHS Compliant

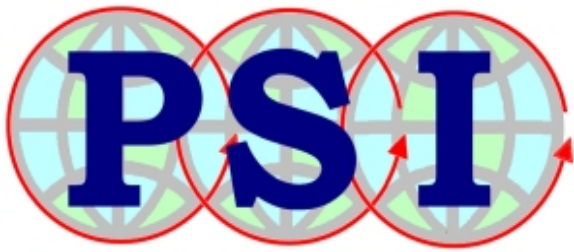


Original Properties

Modulus @ 100% Elongation	397 psi	2.7 MPa
Tensile Strength	1,032 psi	7.1 MPa
Ultimate Elongation	247 %	
Hardness, Shore A	72 Durometer	
Specific Gravity	1.19 grams/cc	
Brittleness Temperature	< -123 °F	< -86 °C
TR-10 Temperature	-49 °F	-45 °C
Tear Resistance, Die B	72 ppi	12.6 kN/m
Tear Resistance, Die C	90 ppi	15.8 kN/m

Compression Set

Plied: 22 hrs @ 347°F (175°C)	11.5 %
Plied: 70 hrs @ 302°F (150°C)	13.9 %



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HEAT AGED: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	+ 24.2 %
Change - Elongation	+ 17.0 %
Change - Hardness, Shore A	+ 2

HEAT AGED: 70 hrs @ 437°F (225°C)

Change - Tensile Strength	+ 4.4 %
Change - Elongation	- 1.6 %
Change - Hardness, Shore A	+ 4

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	- 4.5 %
Change - Elongation	- 3.6 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 3.8 %

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

Change - Tensile Strength	- 11.9 %
Change - Elongation	- 6.1 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 5.4 %

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

Change - Hardness, Shore A	- 17
Change - Volume	+ 42.8 %