

Compound

**19424****SILICONE  
40 DURO - TRANSLUCENT  
FDA APPROVED MATERIAL****PRODUCT DATA SHEET**

Compound 19424 is a 40 durometer translucent Silicone elastomer, it is formulated with FDA approved materials. It exhibits good resistance to heat and compression set. It 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 2 GE 407 A19 B37 EA14 EO16 EO36 F19 G11  
8 GE 409 A19 B37 EA14 EO16 EO36 F19 G11

ZZ-R-765 Class 2a & 2b Grade 40  
A-A-59588 Class 2a & 2B Grade 40

**Original Properties**

Modulus @ 100% Elongation	109 psi	0.8 MPa
Tensile Strength	929 psi	6.4 MPa
Ultimate Elongation	586 %	
Hardness, Shore A	44 Durometer	
Specific Gravity	1.11 grams/cc	
Brittleness Temperature	< -115 °F	< -82 °C
Tear Resistance, Die B	90 ppi	15.8 kN/m

**Compression Set**

Solid: 70 hrs @ 302°F (150°C)	12.5 %
Plied: 22 hrs @ 347°F (175°C)	10.4 %

**HEAT AGED: 70 hrs @ 392°F (200°C)**

Change - Tensile Strength	+ 13.8 %
Change - Elongation	+ 8.7 %
Change - Hardness, Shore A	0

**HEAT AGED: 70 hrs @ 437°F (225°C)**

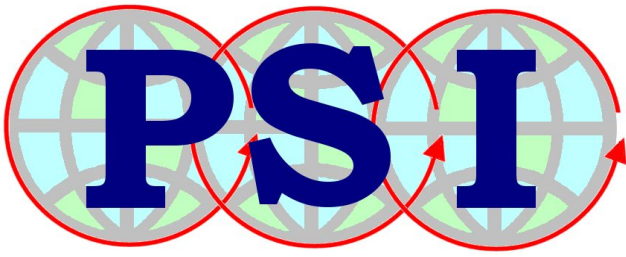
Change - Tensile Strength	- 18.1 %
Change - Elongation	- 22.9 %
Change - Hardness, Shore A	0

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

Change - Hardness, Shore A	0
Change - Volume	+ 0.5 %

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

Change - Tensile Strength	- 7.8 %
Change - Elongation	+ 7.8 %
Change - Hardness, Shore A	- 7
Change - Volume	+ 3.9 %



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

Change - Hardness, Shore A  
Change - Volume

- 21  
+ 47.2 %