



Compound

**19624**SILICONE  
TRANSLUCENT - 60 DURO.  
FDA SANCTIONED MAT'Ls**PRODUCT DATA SHEET**

Compound 19624 is a 60 durometer translucent colored high strength Silicone elastomer, it is formulated with FDA sanctioned materials. It exhibits good resistance to 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 610 EO16 F1-11 G11 EA14

ZZ-R 765 CL.2a Grade 60

**Original Properties**

Modulus @ 100% Elongation	226 psi	1.6 MPa
Tensile Strength	1120 psi	7.7 MPa
Ultimate Elongation	630 %	
Hardness, Shore A	62 Durometer	
Specific Gravity	1.19 grams/cc	
Brittleness Temperature	< -112 °F	< -80 °C
Tear Resistance, Die B	213 ppi	37.3 kN/m

**Compression Set**

Solid: 22 hrs @ 347°F (175°C)	16.5 %
Solid: 70 hrs @ 212°F (100°C)	7.0 %
Plied: 22 hrs @ 347°F (175°C)	21.3 %
Plied: 70 hrs @ 212°F (100°C)	12.0 %

**HEAT AGED: 70 hrs @ 392°F (200°C)**

Change - Tensile Strength	- 1.9 %
Change - Elongation	- 15.6 %
Change - Hardness, Shore A	+ 6

**HEAT AGED: 70 hrs @ 437°F (225°C)**

Change - Tensile Strength	+ 1.6 %
Change - Elongation	- 20.3 %
Change - Hardness, Shore A	+ 8

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

Change - Volume	0.0 %
Change - Weight	+ 0.3 %

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

Change - Tensile Strength	- 15.6 %
Change - Elongation	- 18.8 %
Change - Hardness, Shore A	- 2
Change - Volume	+ 5.3 %



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

Change - Hardness, Shore A  
Change - Volume

- 36  
+ 55.5 %