



Compound

**19524**SILICONE  
TRANSLUCENT - 50 DURO  
FDA SANCTIONED MAT'Ls**PRODUCT DATA SHEET**

Compound 19524 is a 50 durometer translucent colored high strength Silicone elastomer, it is formulated with FDA sanctioned materials.

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

ASTM D2000 3 FC 510 A19 B37 EO16 F1-11 G11 EA14  
4 FC 510 A19 B37 EO16 F1-11 G11 EA14

4 FE 512 A19 B37 EA14 EO16 EO36 F19 G11

9 GE 512 A19 B37 EA14 EO16 EO36 F19 G11  
5 GE 509 A19 EA14 EO16 EO36 F19  
4 GE 507 A19 B37 EA14 EO16 EO36 F19  
3 GE 504 A19 B37 EA14 EO16 EO36 F19

AMS 3302  
AMS 3347

**Original Properties**

Modulus @ 100% Elongation	166 psi	1.1 MPa
Tensile Strength	1220 psi	8.4 MPa
Ultimate Elongation	686 %	
Hardness, Shore A	55 Durometer	
Specific Gravity	1.15 grams/cc	
Brittleness Temperature	< -122 °F	< -86 °C
Tear Resistance, Die B	194 ppi	34.0 kN/m
Tear Resistance, Die C	225 ppi	39.4 kN/m

**Compression Set**

Plied: 22 hrs @ 347°F (175°C)	25.7 %
Plied: 70 hrs @ 212°F (100°C)	11.1 %
Plied: 70 hrs @ 302°F (150°C)	14.5 %

**HEAT AGED: 70 hrs @ 392°F (200°C)**

Change - Tensile Strength	- 2.9 %
Change - Elongation	- 20.9 %
Change - Hardness, Shore A	+ 4

**HEAT AGED: 70 hrs @ 437°F (225°C)**

Change - Tensile Strength	- 4.1 %
Change - Elongation	- 9.8 %
Change - Hardness, Shore A	+ 3



Compound

**19524**

SILICONE  
TRANSLUCENT - 50 DURO  
FDA SANCTIONED MAT'Ls

**PRODUCT DATA SHEET**

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

Change - Hardness, Shore A 0  
Change - Volume + 0.8 %

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

Change - Tensile Strength - 18.6 %  
Change - Elongation - 17.8 %  
Change - Hardness, Shore A - 5  
Change - Volume + 5.9 %

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

Change - Tensile Strength - 12.6 %  
Change - Elongation - 3.1 %  
Change - Hardness, Shore A - 5  
Change - Volume + 5.7 %

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

Change - Hardness, Shore A - 18  
Change - Volume + 45.4 %