



Compound

19467**SILICONE
40 DUROMETER
BLACK COLOR****PRODUCT DATA SHEET**

Compound 19467 is a 40 durometer black colored Silicone elastomer. 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 8 GE 409 A19 B37 EA14 EO16 EO36 F19 G11
2 GE 407 A19 B37 EA14 EO16 EO36 F19 G11

ZZ-R-765 Class 2a & 2b Grade 40
A-A-59588 Class 2a & 2b Grade 40
AMS 3301

Original Properties

Modulus @ 100% Elongation	111 psi	0.8 MPa
Tensile Strength	925 psi	6.4 MPa
Ultimate Elongation	563 %	
Hardness, Shore A	44 Durometer	
Specific Gravity	1.11 grams/cc	
Brittleness Temperature	< -120 °F	< -84 °C
Tear Resistance, Die B	81 ppi	14.2 kN/m
Tear Resistance, Die C	87 ppi	15.2 kN/m

Compression Set

Solid: 70 hrs @ 302°F (150°C)	9.4 %
Plied: 22 hrs @ 347°F (175°C)	7.4 %

HEAT AGED: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	+ 16.6 %
Change - Elongation	+ 14.4 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 437°F (225°C)

Change - Tensile Strength	+ 2.6 %
Change - Elongation	+ 5.2 %
Change - Hardness, Shore A	0

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

Change - Hardness, Shore A	0
Change - Volume	+ 0.6 %

ASTM OIL #1: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 11.4 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	- 6
Change - Volume	+ 3.6 %



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ASTM OIL #1: 70 hrs @ 347°F (175°C)

Change - Tensile Strength	- 2.1 %
Change - Elongation	+ 10.3 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 4.3 %

ASTM OIL #3: 70 hrs @ 302°F (150°C)

Change - Hardness, Shore A	- 22
Change - Volume	+ 47.3 %