



Compound

4666**CHLOROPRENE
60 DUROMETER - BLACK
FDA SANCTIONED MAT'L.****PRODUCT DATA SHEET**

Compound 4666 is 60 durometer black colored Neoprene elastomer, it is formulated with FDA sanctioned materials. It is also suitable for use in milk and edible oils.

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

ASTM D2000 3 BC 620 B14 EO14 EO34 F17 G21
6 BC 620 B14 EO14 EO34 F17 G21
5 BC 615 B14 EO14 EO34 G21

Original Properties

Modulus @ 100% Elongation	208 psi	1.4 MPa
Tensile Strength	2442 psi	16.8 MPa
Ultimate Elongation	680 %	
Hardness, Shore A	58 Durometer	
Specific Gravity	1.43 grams/cc	
Brittleness Temperature	-40 °F	-40 °C
Tear Resistance, Die B	124 ppi	21.7 kN/m
Tear Resistance, Die C	194 ppi	34.0 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	21.7 %
Solid: 70 hrs @ 212°F (100°C)	38.2 %
Plied: 22 hrs @ 212°F (100°C)	29.8 %
Plied: 70 hrs @ 212°F (100°C)	44.4 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 17.0 %
Change - Elongation	- 17.6 %
Change - Hardness, Shore A	+ 6

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 40.5 %
Change - Elongation	- 64.7 %
Change - Hardness, Shore A	+ 15

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

Change - Hardness, Shore A	- 4
Change - Volume	+ 11.9 %

ASTM REFERENCE FUEL A: 70 hrs @ RT (73°F, 23°C)

Change - Tensile Strength	- 18.1 %
Change - Elongation	- 5.9 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 16.3 %



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ASTM REFERENCE FUEL B: 70 hrs @ RT (73°F, 23°C)

Change - Tensile Strength	- 71.9 %
Change - Elongation	- 23.5 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 64.8 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 2.4 %
Change - Elongation	- 4.4 %
Change - Hardness, Shore A	0
Change - Volume	+ 0.7 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 43.1 %
Change - Elongation	- 22.1 %
Change - Hardness, Shore A	- 25
Change - Volume	+ 82.3 %

Tear Resistance, Method D 624, Die B

Tear Resistance	124.0 ppi
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Tear Resistance, Method D 624, Die C

Tear Resistance	194.0 ppi
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