

Compound

**4766****CHLOROPRENE  
70 DUROMETER BLACK  
FDA APPROVED MAT'Ls****PRODUCT DATA SHEET**

Compound 4766 is a 70 durometer black colored Neoprene rubber formulated with FDA approved materials and is suitable for milk and edible oils. It has good physicals.

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

ASTM D2000    3 BC 715 B14 EO14 EO34 G21  
                  5 BC 715 B14 EO14 EO34 G21  
                  6 BC 715 B14 EO14 EO34 G21  
  
                  2 BE 715 B14 EO14 EO34  
                  3 BE 715 B14 EO14 EO34 G21

**Original Properties**

Modulus @ 100% Elongation	438 psi	3.0 MPa
Tensile Strength	1973 psi	13.6 MPa
Ultimate Elongation	470 %	
Hardness, Shore A	73 Durometer	
Specific Gravity	1.58 grams/cc	
Brittleness Temperature	-33 °F	-36 °C
Tear Resistance, Die B	218 ppi	38.2 kN/m
Tear Resistance, Die C	233 ppi	40.8 kN/m

**Compression Set**

Solid: 22 hrs @ 212°F (100°C)	23.5 %
Plied: 22 hrs @ 212°F (100°C)	55.2 %

**HEAT AGED: 70 hrs @ 212°F (100°C)**

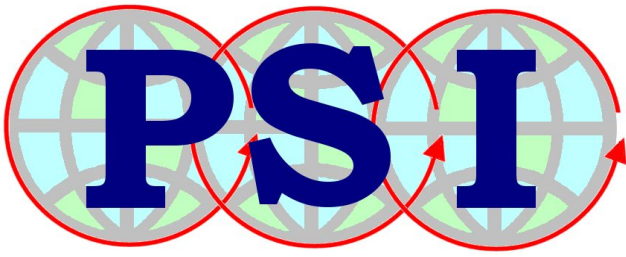
Change - Tensile Strength	- 21.6 %
Change - Elongation	- 40.4 %
Change - Hardness, Shore A	+ 10

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

Change - Hardness, Shore A	- 15
Change - Volume	+ 33.2 %

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

Change - Tensile Strength	- 26.7 %
Change - Elongation	- 17.0 %
Change - Hardness, Shore A	- 8
Change - Volume	+ 13.4 %



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

Change - Tensile Strength	- 49.3 %
Change - Elongation	- 34.0 %
Change - Hardness, Shore A	- 20
Change - Volume	+ 58.1 %

**ASTM OIL #1: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	- 1.4 %
Change - Elongation	- 19.1 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 3.3 %

**ASTM OIL #3: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	- 44.0 %
Change - Elongation	- 36.2 %
Change - Hardness, Shore A	- 21
Change - Volume	+ 59.3 %