



Compound

**4617****CHLOROPRENE  
60 DUROMETER  
BLACK - MOLY FILLED****PRODUCT DATA SHEET**

Compound 4617 is a 60 durometer black colored Neoprene elastomer, it is formulated with molybdenum disulfide to provide internal lubrication. It exhibits good resistance to compression set at moderate temperature.

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

ASTM D2000 3 BC 615 B14 EO14  
5 BC 615 B14 EO14  
6 BC 615 B14 EO14  
2 BE 615 B14 EO14  
3 BE 615 B14 EO14

**Original Properties**

Modulus @ 100% Elongation	336 psi	2.3 MPa
Tensile Strength	1957 psi	13.5 MPa
Ultimate Elongation	433 %	
Hardness, Shore A	63 Durometer	
Specific Gravity	1.51 grams/cc	
Brittleness Temperature	-27 °F	-33 °C
Tear Resistance, Die B	221 ppi	38.7 kN/m
Tear Resistance, Die C	132 ppi	23.1 kN/m

**Compression Set**

Solid: 22 hrs @ 212°F (100°C)	11.7 %
Solid: 70 hrs @ 212°F (100°C)	19.7 %
Plied: 22 hrs @ 212°F (100°C)	18.9 %
Plied: 70 hrs @ 212°F (100°C)	25.1 %

**HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	- 17.6 %
Change - Elongation	- 23.8 %
Change - Hardness, Shore A	+ 4

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

Change - Hardness, Shore A	- 2
Change - Volume	+ 6.0 %

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

Change - Tensile Strength	- 36.5 %
Change - Elongation	- 22.4 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 17.4 %



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

Change - Tensile Strength	- 68.5 %
Change - Elongation	- 55.9 %
Change - Hardness, Shore A	- 13
Change - Volume	+ 80.2 %

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

Change - Tensile Strength	- 11.5 %
Change - Elongation	- 8.8 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 7.4 %

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

Change - Tensile Strength	- 60.4 %
Change - Elongation	- 51.5 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 73.0 %