



Compound

4817**CHLOROPRENE
80 DUROMETER
BLACK - MOLY FILLED****PRODUCT DATA SHEET**

Compound 4817 is an 80 durometer black colored Neoprene that is filled with molybdenun disulfide to provide internal lubrication.

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

ASTM D2000 4 BC 820 A14 B14 EO14 EO34 G21

2 BE 820 A14 B14 EO14 EO34

Original Properties

Modulus @ 100% Elongation	1388 psi	9.6 MPa
Tensile Strength	2582 psi	17.8 MPa
Ultimate Elongation	191 %	
Hardness, Shore A	83 Durometer	
Specific Gravity	1.57 grams/cc	
Brittleness Temperature	-24 °F	-31 °C
Tear Resistance, Die B	214 ppi	37.5 kN/m
Tear Resistance, Die C	222 ppi	38.9 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	11.2 %
Solid: 70 hrs @ 212°F (100°C)	19.1 %
Plied: 22 hrs @ 212°F (100°C)	17.0 %
Plied: 70 hrs @ 212°F (100°C)	28.6 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 7.5 %
Change - Elongation	- 21.5 %
Change - Hardness, Shore A	+ 3

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 40.7 %
Change - Elongation	- 79.6 %
Change - Hardness, Shore A	+ 9

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

Change - Hardness, Shore A	- 2
Change - Volume	+ 5.7 %

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

Change - Tensile Strength	- 16.4 %
Change - Elongation	- 3.7 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 9.7 %



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

Change - Tensile Strength	- 40.7 %
Change - Elongation	- 29.3 %
Change - Hardness, Shore A	- 13
Change - Volume	+ 57.0 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 0.6 %
Change - Elongation	+ 2.1 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 5.4 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 18.4 %
Change - Elongation	- 14.1 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 49.4 %