



Compound

4717**CHLOROPRENE
70 DUROMETER
BLACK COLOR - MOLY FILLED****PRODUCT DATA SHEET**

Compound 4717 is a 70 durometer black colored Neoprene elastomer, it is formulated with molybdenum disulfide to provide self lubrication.

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

ASTM D2000 3 BC 720 A14 B14 EO14 EO34 G21
 5 BC 720 A14 B14 EO14 EO34 G21
 6 BC 720 A14 B14 EO14 EO34 G21

 2 BE 720 A14 B14 EO14 EO34
 3 BE 715 A14 B14 EO14 EO34

Original Properties

Modulus @ 100% Elongation	731 psi	5.0 MPa
Tensile Strength	2314 psi	16.0 MPa
Ultimate Elongation	249 %	
Hardness, Shore A	73 Durometer	
Specific Gravity	1.54 grams/cc	
Brittleness Temperature	-36 °F	-38 °C
Tear Resistance, Die B	100 ppi	17.5 kN/m
Tear Resistance, Die C	172 ppi	30.1 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	8.4 %
Solid: 22 hrs @ 257°F (125°C)	12.1 %
Solid: 70 hrs @ 212°F (100°C)	13.4 %
Plied: 22 hrs @ 212°F (100°C)	12.4 %
Plied: 22 hrs @ 257°F (125°C)	17.8 %
Plied: 70 hrs @ 212°F (100°C)	17.7 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 3.7 %
Change - Elongation	- 11.2 %
Change - Hardness, Shore A	+ 1
Change - Weight	- 0.1 %

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 22.7 %
Change - Elongation	- 48.2 %
Change - Hardness, Shore A	+ 6



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

Change - Hardness, Shore A	- 1
Change - Volume	+ 7.4 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 4.9 %
Change - Elongation	+ 2.8 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 6.3 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 30.2 %
Change - Elongation	- 26.9 %
Change - Hardness, Shore A	- 10
Change - Volume	+ 55.3 %