



Compound

4718**CHLOROPRENE
70 DUROMETER
BLACK-TEFLON FILLED****PRODUCT DATA SHEET**

Compound 4718 is a 70 durometer black colored Neoprene elastomer, it is formulated with teflon to provide internal lubrication. It exhibits good resistance to heat.

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

ASTM D2000 3 BC 710 A14 B14 EO14 EO34 G21
5 BC 710 A14 B14 EO14 EO34 G21
2 BE 710 A14 B14 EO14 EO34

Original Properties

Modulus @ 100% Elongation	682 psi	4.7 MPa
Tensile Strength	2000 psi	13.8 MPa
Ultimate Elongation	240 %	
Hardness, Shore A	74 Durometer	
Specific Gravity	1.53 grams/cc	
Brittleness Temperature	-31 °F	-35 °C
Tear Resistance, Die B	200 ppi	35.0 kN/m
Tear Resistance, Die C	163 ppi	28.5 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	14.0 %
Solid: 70 hrs @ 212°F (100°C)	19.8 %
Plied: 22 hrs @ 212°F (100°C)	19.8 %
Plied: 70 hrs @ 212°F (100°C)	31.5 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	0.0 %
Change - Elongation	- 8.3 %
Change - Hardness, Shore A	+ 4

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

Change - Hardness, Shore A	0
Change - Volume	+ 7.4 %

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

Change - Tensile Strength	- 18.1 %
Change - Elongation	- 12.5 %
Change - Hardness, Shore A	- 9
Change - Volume	+ 11.7 %



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

Change - Tensile Strength	- 39.6 %
Change - Elongation	- 29.2 %
Change - Hardness, Shore A	- 15
Change - Volume	+ 42.2 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	0.0 %
Change - Elongation	- 12.5 %
Change - Hardness, Shore A	0
Change - Volume	- 2.3 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 30.5 %
Change - Elongation	- 20.8 %
Change - Hardness, Shore A	- 17
Change - Volume	+ 40.3 %

Tear Resistance, Method D 624, Die B

Tear Resistance	200.0 ppi
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Tear Resistance, Method D 624, Die C

Tear Resistance	163.0 ppi
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