



Compound

**4762**CHLOROPRENE  
70 DUROMETER  
BLUE COLOR**PRODUCT DATA SHEET**

Compound 4762 is a 70 durometer blue colored Neoprene elastomer.

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

ASTM D2000 3 BC 715 A14 B14 EO14 EO34 G21  
5 BC 715 A14 B14 EO14 EO34 G21  
6 BC 715 A14 B14 EO14 EO34 G21  
  
2 BE 715 A14 EO14  
3 BE 715 A14 EO14 G21

**Original Properties**

Modulus @ 100% Elongation	437 psi	3.0 MPa
Tensile Strength	1727 psi	11.9 MPa
Ultimate Elongation	592 %	
Hardness, Shore A	70 Durometer	
Specific Gravity	1.60 grams/cc	
Brittleness Temperature	-35 °F	-37 °C
Tear Resistance, Die B	240 ppi	42.0 kN/m
Tear Resistance, Die C	230 ppi	40.3 kN/m

**Compression Set**

Solid: 22 hrs @ 212°F (100°C)	30.7 %
Plied: 22 hrs @ 212°F (100°C)	38.3 %

**HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	+ 5.5 %
Change - Elongation	- 6.8 %
Change - Hardness, Shore A	+ 5

**HEAT AGED: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	- 15.8 %
Change - Elongation	- 55.1 %
Change - Hardness, Shore A	+ 11

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

Change - Hardness, Shore A	- 6
Change - Volume	+ 21.7 %

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

Change - Tensile Strength	- 5.2 %
Change - Elongation	- 1.7 %
Change - Hardness, Shore A	- 7
Change - Volume	+ 13.4 %



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

Change - Tensile Strength	- 39.9 %
Change - Elongation	- 10.0 %
Change - Hardness, Shore A	- 16
Change - Volume	+ 60.7 %

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

Change - Tensile Strength	+ 10.8 %
Change - Elongation	- 2.0 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 3.4 %

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

Change - Tensile Strength	- 26.6 %
Change - Elongation	- 10.0 %
Change - Hardness, Shore A	- 22
Change - Volume	+ 64.0 %