

Compound

4759CHLOROPRENE
70 DUROMETER
RED COLOR**PRODUCT DATA SHEET**

Compound 4759 is a 70 durometer red 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 EO34
3 BE 715 A14 EO14 EO34 G21

MIL-G-1149 Type II Class I

Original Properties

Modulus @ 100% Elongation	391 psi	2.7 MPa
Tensile Strength	1682 psi	11.6 MPa
Ultimate Elongation	613 %	
Hardness, Shore A	70 Durometer	
Specific Gravity	1.52 grams/cc	
Brittleness Temperature	-37 °F	-38 °C
Tear Resistance, Die B	258 ppi	45.2 kN/m
Tear Resistance, Die C	210 ppi	36.8 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	31.3 %
Solid: 70 hrs @ 212°F (100°C)	38.9 %
Plied: 22 hrs @ 212°F (100°C)	42.0 %
Plied: 70 hrs @ 212°F (100°C)	48.0 %
Solid: 94 hrs @ 158°F (70°C)	32.1 %

HEAT AGED: 70 hrs @ 212°F (100°C)

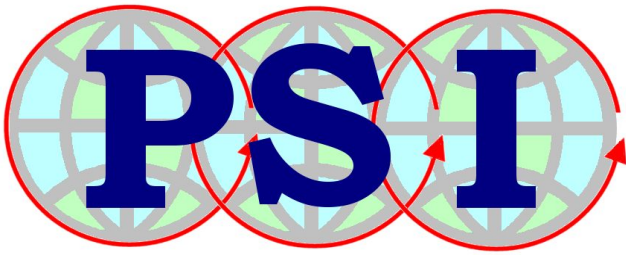
Change - Tensile Strength	- 3.7 %
Change - Elongation	- 8.3 %
Change - Hardness, Shore A	+ 6

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 16.4 %
Change - Elongation	- 84.6 %
Change - Hardness, Shore A	+ 15

HEAT AGED: 94 hrs @ 158°F (70°C)

Change - Tensile Strength	+ 1.1 %
Change - Elongation	- 4.8 %
Change - Hardness, Shore A	+ 3



Compound

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**CHLOROPRENE
70 DUROMETER
RED COLOR**

PRODUCT DATA SHEET

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

Change - Hardness, Shore A + 1
Change - Volume + 18.6 %

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

Change - Tensile Strength - 15.3 %
Change - Elongation - 3.3 %
Change - Hardness, Shore A - 6
Change - Volume + 14.3 %

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

Change - Tensile Strength - 41.7 %
Change - Elongation - 13.1 %
Change - Hardness, Shore A - 19
Change - Volume + 61.7 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength + 2.6 %
Change - Elongation - 3.8 %
Change - Hardness, Shore A - 3
Change - Volume + 4.2 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength - 35.8 %
Change - Elongation - 15.1 %
Change - Hardness, Shore A - 20
Change - Volume + 65.7 %