



Compound

4901CHLOROPRENE
90 DUROMETER
BLACK COLOR**PRODUCT DATA SHEET**

Compound 4901 is a 90 durometer black colored general purpose Neopreneelastomer.

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

ASTM D2000 4 BC 910 A14 B14 EO14 EO34 F17 G21
2 BE 910 A14 B14 EO14 EO34 F17

Original Properties

Modulus @ 100% Elongation	2087 psi	14.4 MPa
Tensile Strength	2087 psi	14.4 MPa
Ultimate Elongation	100 %	
Hardness, Shore A	90 Durometer	
Specific Gravity	1.38 grams/cc	
Brittleness Temperature	-40 °F	-40 °C
Tear Resistance, Die B	152 ppi	26.6 kN/m
Tear Resistance, Die C	173 ppi	30.3 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	23.2 %
Solid: 70 hrs @ 212°F (100°C)	32.2 %
Plied: 22 hrs @ 212°F (100°C)	44.3 %
Plied: 70 hrs @ 212°F (100°C)	62.2 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 1.2 %
Change - Elongation	- 30.0 %
Change - Hardness, Shore A	+ 7

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 1.0 %
Change - Elongation	- 60.0 %
Change - Hardness, Shore A	+ 8

HEAT AGED: 70 hrs @ 257°F (125°C) Test Tube Method

Change - Tensile Strength	+ 1.0 %
Change - Elongation	- 60.0 %
Change - Hardness, Shore A	+ 8

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

Change - Hardness, Shore A	- 1
Change - Volume	+ 7.8 %



Compound

4901

CHLOROPRENE
90 DUROMETER
BLACK COLOR

PRODUCT DATA SHEET

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

Change - Tensile Strength	- 13.6 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 6.9 %

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

Change - Tensile Strength	- 32.8 %
Change - Elongation	- 20.0 %
Change - Hardness, Shore A	- 11
Change - Volume	+ 28.4 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 1.0 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	+ 3
Change - Volume	- 5.2 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 10.3 %
Change - Elongation	- 10.0 %
Change - Hardness, Shore A	- 13
Change - Volume	+ 29.3 %

Tear Resistance, Method D 624, Die B

Tear Resistance	152.0 ppi
-----------------	-----------

Tear Resistance, Method D 624, Die C

Tear Resistance	173.0 ppi
-----------------	-----------