



Compound

4523CHLOROPRENE
50 DUROMETER
BLACK COLOR**PRODUCT DATA SHEET**

Compound 4523 is a 50 durometer black colored Neoprene elastomer. It exhibits good resistance to heat and compression set.

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

ASTM D2000 2 BC 510 A14 B14 EO14
5 BC 510 A14 B14 EO14
5 BE 510 A14 B14 EO14

MIL-STD-417 Type S Class SB 510 A1 B1 E5

Original Properties

Modulus @ 100% Elongation	135 psi	0.9 MPa
Tensile Strength	1432 psi	9.9 MPa
Ultimate Elongation	520 %	
Hardness, Shore A	52 Durometer	
Specific Gravity	1.40 grams/cc	
Brittleness Temperature	-29 °F	-34 °C
Tear Resistance, Die B	82 ppi	14.4 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	9.5 %
Solid: 70 hrs @ 212°F (100°C)	14.1 %
Plied: 22 hrs @ 212°F (100°C)	18.5 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 11.0 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	+ 2

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

Change - Hardness, Shore A	- 2
Change - Volume	+ 9.5 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 7.5 %
Change - Elongation	- 17.3 %
Change - Hardness, Shore A	- 3
Change - Volume	- 3.0 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 72.8 %
Change - Elongation	- 57.7 %
Change - Hardness, Shore A	- 11
Change - Volume	+ 67.6 %



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Tear Resistance, Method D 624, Die B

Tear Resistance

82.0 ppi