



Compound

**4753**

**CHLOROPRENE  
70 DUROMETER  
BLACK COLOR**

**PRODUCT DATA SHEET**

Compound 4753 is a black colored, high quality and sulfur free Neoprene W elastomer. It has a good balance of physical properties and good aging properties.

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

- ASTM D2000    3 BC 715 A14 B14 EO14 EO34 F17 G21
- 5 BC 715 A14 B14 EO14 EO34 G21
- 3 BC 715 A14 B14 EO14 EO34 F17 G21
  
- 2 BE 715 A14 B14 EO14 EO34 F17
- 3 BE 715 A14 B14 EO14 EO34 G21

AMS 3209  
AMS 3244

**This Compound is RoHS Compliant**

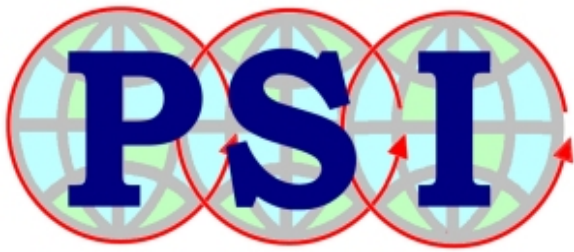


**Original Properties**

Modulus @ 100% Elongation	568 psi	3.9 MPa
Tensile Strength	2,138 psi	14.7 MPa
Ultimate Elongation	300 %	
Hardness, Shore A	70 Durometer	
Specific Gravity	1.47 grams/cc	
Brittleness Temperature	-40 °F	-40 °C
Tear Resistance, Die B	166 ppi	29.1 kN/m
Tear Resistance, Die C	166 ppi	29.1 kN/m

**Compression Set**

Solid: 22 hrs @ 212°F (100°C)	9.8 %
Solid: 22 hrs @ 257°F (125°C)	18.6 %
Solid: 70 hrs @ 212°F (100°C)	16.6 %
Plied: 22 hrs @ 212°F (100°C)	16.9 %
Plied: 22 hrs @ 257°F (125°C)	23.2 %
Plied: 70 hrs @ 212°F (100°C)	24.0 %



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**4753**CHLOROPRENE  
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Change - Tensile Strength	- 4.9 %
Change - Elongation	- 9.0 %
Change - Hardness, Shore A	+ 1

**HEAT AGED: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	- 11.9 %
Change - Elongation	- 29.7 %
Change - Hardness, Shore A	+ 7

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

Change - Tensile Strength	- 11.9 %
Change - Elongation	- 29.7 %
Change - Hardness, Shore A	+ 7

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

Change - Tensile Strength	+ 1.9 %
Change - Elongation	- 9.1 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 9.0 %

**ASTM OIL #1 (IRM 901): 70 hrs @ 212°F (100°C)**

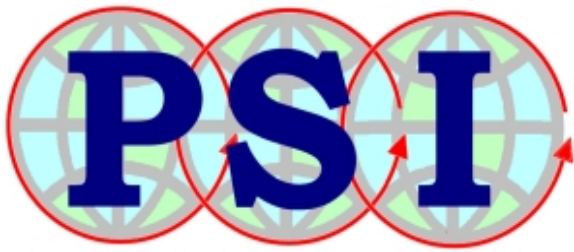
Change - Tensile Strength	- 3.6 %
Change - Elongation	- 12.7 %
Change - Hardness, Shore A	0
Change - Volume	- 2.8 %

**ASTM OIL #3 (IRM 903): 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	- 18.2 %
Change - Elongation	- 23.7 %
Change - Hardness, Shore A	- 13
Change - Volume	+ 42.9 %

**ASTM REFERENCE FUEL B : 22 hrs @ RT (73°F, 23°C)**

Change - Tensile Strength	- 34.4 %
Change - Elongation	- 27.7 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 40.0 %



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**Flame Out:**

Seconds

1.0