



Compound

4525**CHLOROPRENE
50 DUROMETER - WHITE
FDA SANCTIONED MAT'L.****PRODUCT DATA SHEET**

Compound 4525 is 50 durometer white colored Chloroprene elastomer, it is formulated with FDA sanctioned materials. It exhibits good physical properties.

This compound has the following physical properties:

Original Properties

Modulus @ 100% Elongation	111 psi	0.8 MPa
Tensile Strength	1889 psi	13.0 MPa
Ultimate Elongation	1170 %	
Hardness, Shore A	49 Durometer	
Specific Gravity	1.41 grams/cc	
Brittleness Temperature	-48 °F	-44 °C
Tear Resistance, Die B	191 ppi	33.5 kN/m
Tear Resistance, Die C	183 ppi	32.0 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	45.6 %
Solid: 70 hrs @ 212°F (100°C)	56.7 %
Plied: 22 hrs @ 212°F (100°C)	64.0 %
Plied: 70 hrs @ 212°F (100°C)	70.3 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 27.1 %
Change - Elongation	- 16.2 %
Change - Hardness, Shore A	+ 6

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 7.3 %
Change - Elongation	- 27.4 %
Change - Hardness, Shore A	+ 10

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

Change - Hardness, Shore A	- 9
Change - Volume	+ 64.6 %

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

Change - Tensile Strength	- 19.2 %
Change - Elongation	- 10.3 %
Change - Hardness, Shore A	- 9
Change - Volume	+ 21.7 %



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

Change - Tensile Strength	- 44.1 %
Change - Elongation	- 22.2 %
Change - Hardness, Shore A	- 23
Change - Volume	+ 89.6 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 2.9 %
Change - Elongation	- 13.7 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 6.7 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 43.4 %
Change - Elongation	- 26.5 %
Change - Hardness, Shore A	- 26
Change - Volume	+ 142.4 %