



Compound

4725**CHLOROPRENE
70 DUROMETER - WHITE COLOR
FDA SANCTIONED MATERIAL****PRODUCT DATA SHEET**

Compound 4725 is a 70 durometer white colored Neoprene elastomer, it is formulated with FDA sanctioned materials. It exhibits good resistance to moderate heat.

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

ASTM D2000 3 BC 715 A14 G21
5 BC 715 A14 G21
6 BC 715 A14 G21

Original Properties

Modulus @ 100% Elongation	276 psi	1.9 MPa
Tensile Strength	1905 psi	13.1 MPa
Ultimate Elongation	935 %	
Hardness, Shore A	68 Durometer	
Specific Gravity	1.55 grams/cc	
Brittleness Temperature	-20 °F	-29 °C
Tear Resistance, Die B	263 ppi	46.1 kN/m
Tear Resistance, Die C	269 ppi	47.1 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	34.8 %
Solid: 22 hrs @ 257°F (125°C)	50.6 %
Solid: 70 hrs @ 212°F (100°C)	47.6 %
Plied: 22 hrs @ 212°F (100°C)	47.7 %
Plied: 22 hrs @ 257°F (125°C)	66.7 %
Plied: 70 hrs @ 212°F (100°C)	62.8 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 3.5 %
Change - Elongation	- 12.9 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 19.8 %
Change - Elongation	- 55.6 %
Change - Hardness, Shore A	+ 4

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

Change - Tensile Strength	- 19.8 %
Change - Elongation	- 55.6 %
Change - Hardness, Shore A	+ 4



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

Change - Hardness, Shore A	- 9
Change - Volume	+ 21.4 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 13.8 %
Change - Elongation	+ 10.5 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 11.5 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 49.0 %
Change - Elongation	- 31.8 %
Change - Hardness, Shore A	- 34
Change - Volume	+ 115.0 %