

Compound

4705CHLOROPRENE
70 DUROMETER
BLACK COLOR**PRODUCT DATA SHEET**

Compound 4705 is a 70 durometer black colored general purpose Neoprene elastomer. It exhibits good resistance to heat and compression set and it will remain non brittle at low temperatures.

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

ASTM D2000 3 BC 715 A14 B14 C12 EO14 EO34 F17
5 BC 715 A14 B14 C12 EO14 EO34 F19
6 BC 715 A14 B14 C12 EO14 EO34 F17

2 BE 715 A14 B14 EO14 EO34 F17
3 BE 715 A14 B14 EO14 EO34 F19

AMS 3209
MIL-R-6855 Class 2a & 2b Grade 70

Original Properties

Modulus @ 100% Elongation	528 psi	3.6 MPa
Tensile Strength	1861 psi	12.8 MPa
Ultimate Elongation	250 %	
Hardness, Shore A	69 Durometer	
Specific Gravity	1.42 grams/cc	
Brittleness Temperature	-67 °F	-55 °C
Tear Resistance, Die B	112 ppi	19.6 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	9.6 %
Solid: 70 hrs @ 212°F (100°C)	17.4 %

HEAT AGED: 70 hrs @ 212°F (100°C)

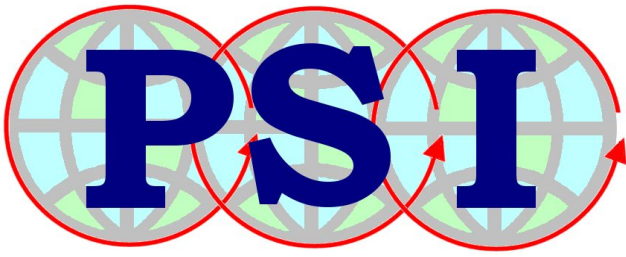
Change - Tensile Strength	+ 6.0 %
Change - Elongation	- 10.0 %
Change - Hardness, Shore A	+ 6

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

Change - Hardness, Shore A	- 1
Change - Volume	+ 8.1 %

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 4.3 %
Change - Elongation	- 10.0 %
Change - Hardness, Shore A	+ 1
Change - Volume	- 4.7 %



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ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 27.3 %
Change - Elongation	- 24.8 %
Change - Hardness, Shore A	- 16
Change - Volume	+ 43.1 %