



Compound

**14701****CHLOROSULFONATED  
POLYETHYLENE 70 DURO  
BLACK COLOR****PRODUCT DATA SHEET**

Compound 14701 is a 70 durometer black colored general purpose Hypalonelastomer. It exhibits good low temperature flexibility.

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

ASTM D2000 2 CE 725 F19  
3 CE 725 F19

**Original Properties**

Modulus @ 100% Elongation	438 psi	3.0 MPa
Tensile Strength	2849 psi	19.6 MPa
Ultimate Elongation	310 %	
Hardness, Shore A	68 Durometer	
Specific Gravity	1.34 grams/cc	
Brittleness Temperature	-87 °F	-66 °C
Tear Resistance, Die B	147 ppi	25.7 kN/m
Tear Resistance, Die C	200 ppi	35.0 kN/m

**Compression Set**

Solid: 22 hrs @ RT (73°F, 23°C)	8.3 %
Solid: 22 hrs @ 257°F (125°C)	76.4 %
Plied: 22 hrs @ RT (73°F, 23°C)	7.9 %
Plied: 22 hrs @ 257°F (125°C)	81.4 %

**HEAT AGED: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	+ 9.0 %
Change - Elongation	- 16.1 %
Change - Hardness, Shore A	+ 4

**HEAT AGED: 70 hrs @ 302°F (150°C)**

Change - Tensile Strength	- 38.8 %
Change - Elongation	- 58.1 %
Change - Hardness, Shore A	+ 8

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

Change - Tensile Strength	+ 9.0 %
Change - Elongation	- 16.1 %
Change - Hardness, Shore A	+ 4

**HEAT AGED: 70 hrs @ 302°F (150°C) Test Tube Method**

Change - Tensile Strength	- 38.8 %
Change - Elongation	- 58.1 %
Change - Hardness, Shore A	+ 8



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**14701**

CHLOROSULFONATED  
POLYETHYLENE 70 DURO  
BLACK COLOR

**PRODUCT DATA SHEET**

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

Change - Hardness, Shore A	0
Change - Volume	+ 13.5 %

**ASTM OIL #1: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	+ 9.0 %
Change - Elongation	- 16.1 %
Change - Hardness, Shore A	+ 4
Change - Volume	+ 4.1 %

**ASTM OIL #3: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	- 38.2 %
Change - Elongation	- 19.4 %
Change - Hardness, Shore A	- 24
Change - Volume	+ 71.2 %