Compound

14801

CHLOROSULFONATED POLYETHYLENE - 70 DURO BLACK COLOR

PRODUCT DATA SHEET

Compound 14801 is a 70 durometer black colored general purpose Hypalonelastomer. It has good physicals and exhibits good resistance to synthetic lubricating oils.

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

ASTM D2000 2 CE 715
3 CE 715 B15

Original Properties

Modulus @ 100% Elongation	724	psi	5.0	MPa
Tensile Strength	3152	psi	21.7	MPa
Ultimate Elongation	259	%		
Hardness, Shore A	71	Durometer		
Specific Gravity	1.49	grams/cc		
Brittleness Temperature	-51	°F	-46	°C
Tear Resistance, Die B	204	ppi	35.7	kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	15.3 %
Solid: 22 hrs @ 257°F (125°C)	73.6 %

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 7.6 %
Change - Elongation	- 32.4 %
Change - Hardness, Shore A	+ 10
Change - Weight	- 4.0 %

HEAT AGED: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 68.5 %
Change - Elongation	- 80.7 %
Change - Hardness, Shore A	+ 13
Change - Volume	- 5.1 %

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

Change - Tensile Strength	+ 7.6 %
Change - Elongation	- 32.4 %
Change - Hardness, Shore A	+ 10
Change - Weight	- 4.0 %

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

Change - Tensile Strength	- 68.5 %
Change - Elongation	- 80.7 %
Change - Hardness, Shore A	+ 13
Change - Volume	- 5.1 %

Presure Seals, Inc.
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South Windsor, CT 06074
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DISTILLED WATER AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 2.3 %
Change - Elongation	- 14.7 %
Change - Hardness, Shore A	0
Change - Volume	+ 9.2 %

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

Change - Tensile Strength	- 11.4 %
Change - Elongation	- 14.7 %
Change - Hardness, Shore A	- 2
Change - Volume	+ 7.7 %

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

Change - Tensile Strength	- 53.4 %
Change - Elongation	- 50.2 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 53.8 %

ASTM OIL #1: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 5.6 %
Change - Elongation	- 24.3 %
Change - Hardness, Shore A	+ 2
Change - Volume	+ 2.5 %

ASTM OIL #3: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 29.7 %
Change - Elongation	- 17.8 %
Change - Hardness, Shore A	- 21
Change - Volume	+ 53.5 %

SERVICE FLUID 100: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 9.0 %
Change - Elongation	- 5.0 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 10.5 %

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