



Compound

4402CHLOROPRENE
40 DUROMETER
BLACK COLOR**PRODUCT DATA SHEET**

Compound 4402 is a 40 durometer black colored general purpose Neopreneelastomer.

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

ASTM D2000 2 BC 415 A14 B14 EO14 F17 G21
5 BC 415 A14 B14 EO14 G21

Original Properties

| | | |
|---------------------------|---------------|-----------|
| Modulus @ 100% Elongation | 85 psi | 0.6 MPa |
| Tensile Strength | 1690 psi | 11.7 MPa |
| Ultimate Elongation | 850 % | |
| Hardness, Shore A | 40 Durometer | |
| Specific Gravity | 1.33 grams/cc | |
| Brittleness Temperature | -44 °F | -42 °C |
| Tear Resistance, Die B | 164 ppi | 28.7 kN/m |

Compression Set

| | |
|-------------------------------|--------|
| Solid: 22 hrs @ 212°F (100°C) | 28.6 % |
| Solid: 70 hrs @ 212°F (100°C) | 40.8 % |
| Plied: 22 hrs @ 212°F (100°C) | 52.9 % |
| Plied: 70 hrs @ 212°F (100°C) | 71.7 % |

HEAT AGED: 70 hrs @ 212°F (100°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 9.2 % |
| Change - Elongation | - 30.6 % |
| Change - Hardness, Shore A | + 10 |

HEAT AGED: 70 hrs @ 257°F (125°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 1.4 % |
| Change - Elongation | - 52.9 % |
| Change - Hardness, Shore A | + 23 |

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

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 1.4 % |
| Change - Elongation | - 52.9 % |
| Change - Hardness, Shore A | + 23 |

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

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 29.6 % |
| Change - Elongation | - 27.1 % |
| Change - Hardness, Shore A | + 6 |
| Change - Volume | + 13.4 % |



Compound

4402

**CHLOROPRENE
40 DUROMETER
BLACK COLOR**

PRODUCT DATA SHEET

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

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 24.4 % |
| Change - Elongation | - 17.6 % |
| Change - Hardness, Shore A | + 6 |
| Change - Volume | + 14.7 % |

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

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 80.0 % |
| Change - Elongation | - 54.1 % |
| Change - Hardness, Shore A | - 15 |
| Change - Volume | + 70.3 % |

ASTM OIL #1: 70 hrs @ 212°F (100°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | 0.0 % |
| Change - Elongation | - 23.5 % |
| Change - Hardness, Shore A | - 3 |
| Change - Volume | - 5.0 % |

ASTM OIL #3: 70 hrs @ 212°F (100°C)

| | |
|----------------------------|----------|
| Change - Tensile Strength | - 72.4 % |
| Change - Elongation | - 52.9 % |
| Change - Hardness, Shore A | - 17 |
| Change - Volume | + 91.1 % |

Tear Resistance, Method D 624, Die B

| | |
|-----------------|-----------|
| Tear Resistance | 164.0 ppi |
|-----------------|-----------|