

Compound

9502FLUORINATED
HYDROCARBON - 50 DURO
BLACK COLOR**PRODUCT DATA SHEET**

Compound 9502 is a 50 durometer black colored general purpose Fluorinated Hydrocarbon elastomer. It exhibits good resistance to heat, compression set and petroleum based oils.

This compound has the following physical properties:

Original Properties

Modulus @ 100% Elongation	137 psi	0.9 MPa
Tensile Strength	699 psi	4.8 MPa
Ultimate Elongation	400 %	
Hardness, Shore A	55 Durometer	
Specific Gravity	1.83 grams/cc	
Brittleness Temperature	-24 °F	-31 °C
Tear Resistance, Die B	77 psi	13.5 kN/m

Compression Set

Plied: 22 hrs @ RT (73°F, 23°C)	14.6 %
Plied: 22 hrs @ 347°F (175°C)	10.0 %
Plied: 22 hrs @ 392°F (200°C)	10.8 %

HEAT AGED: 70 hrs @ 482°F (250°C)

Change - Tensile Strength	+ 28.0 %
Change - Elongation	+ 5.0 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 527°F (275°C)

Change - Tensile Strength	+ 20.9 %
Change - Elongation	+ 20.0 %
Change - Hardness, Shore A	0

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

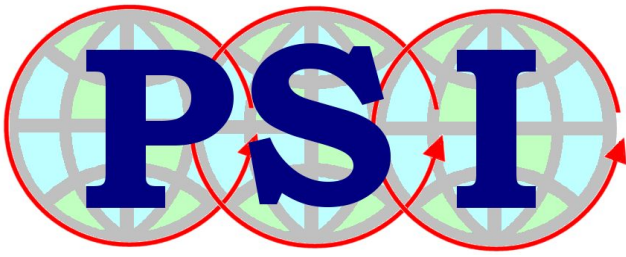
Change - Tensile Strength	- 36.1 %
Change - Elongation	- 22.5 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 6.1 %

ASTM OIL #3: 70 hrs @ 302°F (150°C)

Change - Hardness, Shore A	- 2
Change - Volume	+ 2.4 %

SERVICE FLUID 101: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	- 25.2 %
Change - Elongation	- 17.2 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 11.0 %



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STAUFFER BLEND 7700: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	- 11.2 %
Change - Elongation	- 5.0 %
Change - Hardness, Shore A	- 13
Change - Volume	+ 22.2 %