

Compound

9758**FLUORINATED HYDROCARBON
75 DUROMETER - BLACK COLOR
LOW TEMPERATURE****PRODUCT DATA SHEET**

Compound 9758 is a 75 durometer black colored fluorinated hydrocarbon elastomer. It has excellent chemical resistance coupled with improved low temperature flexibility when compared to polymers of comparable fluid resistance.

This compound has the following physical properties:

Original Properties

Modulus @ 100% Elongation	942 psi	6.5 MPa
Tensile Strength	1254 psi	8.6 MPa
Ultimate Elongation	120 %	
Hardness, Shore A	75 Durometer	
Specific Gravity	1.86 grams/cc	
Brittleness Temperature	-44 °F	-42 °C
Tear Resistance, Die B	0 ppi	0.0 kN/m

Compression Set

Plied: 22 hrs @ 392°F (200°C) 13.1 %

HEAT AGED: 70 hrs @ 527°F (275°C)

Change - Tensile Strength - 11.0 %
Change - Elongation + 55.0 %
Change - Hardness, Shore A - 3

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

Change - Hardness, Shore A - 2
Change - Volume + 5.9 %

ASTM OIL #1: 70 hrs @ 302°F (150°C)

Change - Volume + 0.1 %

ASTM OIL #3: 70 hrs @ 302°F (150°C)

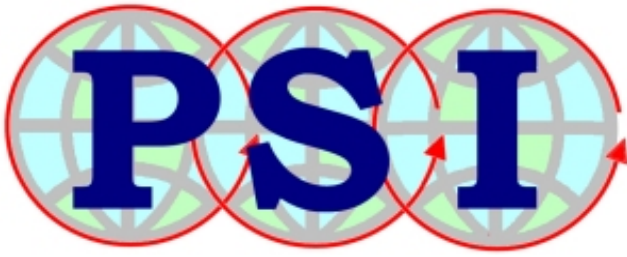
Change - Volume + 1.5 %

ETHANOL: Aged 168 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A - 3
Change - Volume + 3.5 %

85% EtOH/15% FUEL C: Aged 168 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A - 6
Change - Volume + 6.2 %



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Change - Hardness, Shore A	- 9
Change - Volume	+ 10.9 %

ASTM REFERENCE FUEL C: 168 hrs @ RT (73°F, 23°C)

Change - Hardness, Shore A	- 4
Change - Volume	+ 8.1 %

METHANOL: Aged 168 hrs @ RT (73°F, 23°C)

Change - Hardness, Shore A	- 6
Change - Volume	+ 6.2 %

50% MeOH/50% FUEL C:Aged 168 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 11
Change - Volume	+ 13.3 %

ETHANOL: Aged 600 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 3
Change - Volume	+ 4.4 %

85% EtOH/15% FUEL C:Aged 600 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 7
Change - Volume	+ 6.9 %

15% EtOH/85% FUEL C:Aged 600 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 8
Change - Volume	+ 11.0 %

ASTM REFERENCE FUEL C: 600 hrs @ RT (73°F, 23°C)

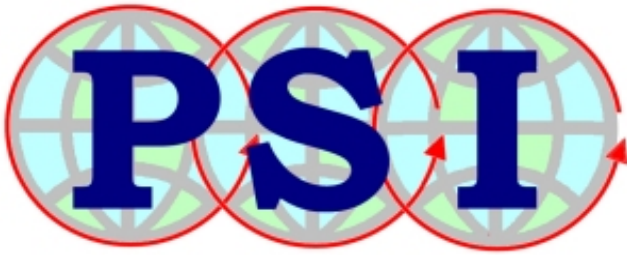
Change - Hardness, Shore A	- 6
Change - Volume	+ 8.7 %

METHANOL: Aged 600 hrs @ RT (73°F, 23°C)

Change - Hardness, Shore A	- 6
Change - Volume	+ 6.1 %

50% MeOH/50% FUEL C:Aged 600 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 10
Change - Volume	+ 13.1 %



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Change - Hardness, Shore A	- 3
Change - Volume	+ 4.2 %

85% EtOH/15% FUEL C:Aged 1600 hrs. @ RT (70°F, 23°

Change - Hardness, Shore A	- 6
Change - Volume	+ 6.5 %

15% EtOH/85% FUEL C:Aged 1600 hrs. @ RT (70°F, 23°

Change - Hardness, Shore A	- 9
Change - Volume	+ 11.2 %

ASTM REFERENCE FUEL C: 1600 hrs @ RT (73°F, 23°C)

Change - Hardness, Shore A	- 6
Change - Volume	+ 9.0 %

METHANOL: Aged 1600 hrs @ RT (73°F, 23°C)

Change - Hardness, Shore A	- 6
Change - Volume	+ 5.7 %

50% MeOH/50% FUEL C:Aged 1600 hrs. @ RT (70°F, 23°

Change - Hardness, Shore A	- 11
Change - Volume	+ 13.0 %

ETHANOL: Aged 70 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 2
Change - Volume	+ 2.5 %

85% EtOH/15% FUEL C:Aged 70 hrs. @ RT (70°F, 23°C)

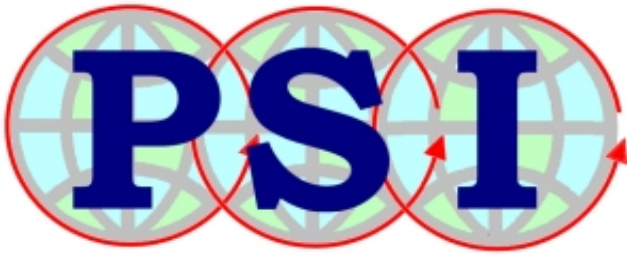
Change - Hardness, Shore A	- 6
Change - Volume	+ 4.6 %

15% EtOH/85% FUEL C: Aged 70 hrs. @ RT 70°F, 23°C

Change - Hardness, Shore A	- 6
Change - Volume	+ 9.5 %

METHANOL: Aged 70 hrs @ RT (73°F, 23°C)

Change - Hardness, Shore A	- 5
Change - Volume	+ 5.0 %



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50% MeOH/50% FUEL C:Aged 70 hrs. @ RT (70°F, 23°C)

Change - Hardness, Shore A	- 9
Change - Volume	+ 11.7 %

TR-10 ASTM D1329 (10% Retraction @ °F)

Temperature	- 40.2 °F
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