



Compound

**8758**FLUORINATED  
HYDROCARBON - 70 DURO  
BLACK COLOR - GFLT**PRODUCT DATA SHEET**

Compound 8758 is a 70 durometer black colored Fluorinated Hydrocarbon elastomer, it is formulated with Viton GFLT which imparts excellent chemical resistance. This has improved low temperature flexibility when compared to comparable fluid resistance elastomers.

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

ASTM D2000 2 HK 715 B37 B38 EF31 EO78 F15  
4 HK 715 B38 EF31 EO78 F17  
6 HK 715 EF31 EO88 F15

**Original Properties**

Modulus @ 100% Elongation	767 psi	5.3 MPa
Tensile Strength	1680 psi	11.6 MPa
Ultimate Elongation	179 %	
Hardness, Shore A	73 Durometer	
Specific Gravity	1.88 grams/cc	
Brittleness Temperature	-40 °F	-40 °C
Tear Resistance, Die B	113 ppi	19.8 kN/m
Tear Resistance, Die C	100 ppi	17.5 kN/m

**Compression Set**

Plied: 22 hrs @ RT (73°F, 23°C)	15.2 %
Plied: 22 hrs @ 347°F (175°C)	14.9 %
Plied: 22 hrs @ 392°F (200°C)	18.1 %

**HEAT AGED: 70 hrs @ 482°F (250°C)**

Change - Tensile Strength	- 25.2 %
Change - Elongation	- 21.8 %
Change - Hardness, Shore A	+ 2

**HEAT AGED: 70 hrs @ 527°F (275°C)**

Change - Tensile Strength	- 14.2 %
Change - Elongation	- 26.8 %
Change - Hardness, Shore A	+ 2

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

Change - Hardness, Shore A	- 2
Change - Volume	+ 5.2 %

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

Change - Tensile Strength	+ 9.8 %
Change - Elongation	- 8.4 %
Change - Hardness, Shore A	0
Change - Volume	- 2.3 %



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Change - Tensile Strength	- 20.4 %
Change - Elongation	- 15.6 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 2.4 %

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

Change - Tensile Strength	- 22.2 %
Change - Elongation	- 15.1 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 4.1 %

**ASTM OIL #1: 70 hrs @ 302°F (150°C)**

Change - Tensile Strength	- 2.4 %
Change - Elongation	- 8.4 %
Change - Hardness, Shore A	0
Change - Volume	+ 1.7 %

**ASTM OIL #3: 70 hrs @ 302°F (150°C)**

Change - Tensile Strength	- 7.7 %
Change - Elongation	- 7.3 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 1.7 %

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

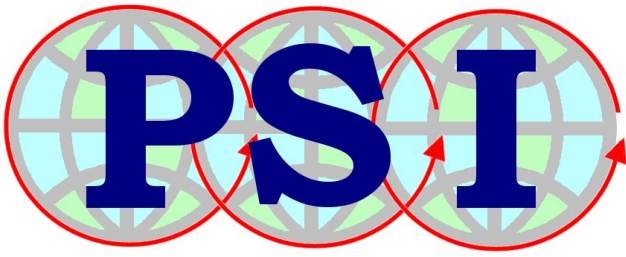
Change - Tensile Strength	- 26.5 %
Change - Elongation	- 14.5 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 7.4 %

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

Change - Tensile Strength	- 11.5 %
Change - Elongation	- 6.1 %
Change - Hardness, Shore A	- 8
Change - Volume	+ 13.5 %

**GASAHOL 70 hrs @ RT (70°F, 23°C)**

Change - Tensile Strength	- 35.6 %
Change - Elongation	- 22.2 %
Change - Hardness, Shore A	- 12
Change - Volume	+ 13.2 %



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

Change - Volume + 5.7 %

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

Temperature - 11.0 °F