



Compound

**8757**FLUORINATED -  
HYDROCARBON - 75 DURO  
GREEN COLOR - GFLT**PRODUCT DATA SHEET**

Compound 8757 is a 75 durometer green colored fluuorinated 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 has the following physical properties:

**Original Properties**

Modulus @ 100% Elongation	475 psi	3.3 MPa
Tensile Strength	965 psi	6.7 MPa
Ultimate Elongation	256 %	
Hardness, Shore A	74 Durometer	
Specific Gravity	2.06 grams/cc	
Brittleness Temperature	-24 °F	-31 °C
Tear Resistance, Die B	121 ppi	21.2 kN/m
Tear Resistance, Die C	80 ppi	14.0 kN/m

**Compression Set**

Plied: 22 hrs @ RT (73°F, 23°C)	16.1 %
Plied: 22 hrs @ 347°F (175°C)	18.7 %
Plied: 22 hrs @ 392°F (200°C)	24.9 %

**HEAT AGED: 70 hrs @ 482°F (250°C)**

Change - Tensile Strength	+ 24.2 %
Change - Elongation	- 37.5 %
Change - Hardness, Shore A	+ 3

**HEAT AGED: 70 hrs @ 527°F (275°C)**

Change - Tensile Strength	+ 9.4 %
Change - Elongation	- 37.5 %
Change - Hardness, Shore A	+ 4

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

Change - Hardness, Shore A	- 7
Change - Volume	+ 6.8 %

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

Change - Tensile Strength	- 27.7 %
Change - Elongation	- 20.7 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 4.4 %



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Change - Tensile Strength	+ 6.6 %
Change - Elongation	- 11.7 %
Change - Hardness, Shore A	- 1
Change - Volume	- 0.1 %

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

Change - Tensile Strength	+ 3.5 %
Change - Elongation	- 14.1 %
Change - Hardness, Shore A	- 2
Change - Volume	+ 1.6 %

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

Change - Tensile Strength	- 5.3 %
Change - Elongation	- 8.2 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 9.0 %

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

Change - Tensile Strength	- 28.4 %
Change - Elongation	- 14.4 %
Change - Hardness, Shore A	- 10
Change - Volume	+ 16.4 %

**ETHANOL: 312 hrs @ RT (73°F, 23°C)**

Change - Hardness, Shore A	- 2
Change - Volume	+ 2.1 %

**GASAHOL: 312 hrs @ RT (73°F, 23°C)**

Change - Hardness, Shore A	- 9
Change - Volume	+ 17.7 %

**METHANOL: 312 hrs @ RT ( 73°F, 23°C )**

Change - Hardness, Shore A	- 7
Change - Volume	+ 10.2 %

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

Temperature	- 15.0 °F
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