



Compound

**8626****FLUORINATED -  
HYDROCARBON-TAN COLOR  
60 DUROMETER-ACID REST****PRODUCT DATA SHEET**

Compound 8626 is a 60 durometer tan colored Fluorocarbon elastomer, it is specifically formulated to be resistant to acids.

This compound has the following physical properties:

**Original Properties**

Modulus @ 100% Elongation	234 psi	1.6 MPa
Tensile Strength	738 psi	5.1 MPa
Ultimate Elongation	275 %	
Hardness, Shore A	58 Durometer	
Specific Gravity	2.05 grams/cc	
Brittleness Temperature	-8 °F	-22 °C
Tear Resistance, Die B	74 ppi	13.0 kN/m

**Compression Set**

Plied: 22 hrs @ RT (73°F, 23°C)	8.0 %
Plied: 22 hrs @ 347°F (175°C)	11.4 %
Plied: 22 hrs @ 392°F (200°C)	15.0 %

**HEAT AGED: 70 hrs @ 482°F (250°C)**

Change - Tensile Strength	- 6.4 %
Change - Elongation	- 9.1 %
Change - Hardness, Shore A	+ 1

**HEAT AGED: 70 hrs @ 527°F (275°C)**

Change - Tensile Strength	- 28.3 %
Change - Elongation	- 13.5 %
Change - Hardness, Shore A	- 2

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

Change - Hardness, Shore A	- 2
Change - Volume	+ 0.4 %

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

Change - Tensile Strength	- 9.6 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 0.3 %

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

Change - Tensile Strength	- 52.6 %
Change - Elongation	- 40.7 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 6.8 %



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

Change - Tensile Strength	- 6.0 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	- 1
Change - Volume	+ 0.2 %

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

Change - Tensile Strength	- 6.4 %
Change - Elongation	- 4.4 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 1.7 %

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

Change - Tensile Strength	- 40.1 %
Change - Elongation	- 13.5 %
Change - Hardness, Shore A	- 7
Change - Volume	+ 12.1 %

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

Change - Tensile Strength	- 55.3 %
Change - Elongation	- 31.6 %
Change - Hardness, Shore A	- 10
Change - Volume	+ 21.9 %

**CONCENTRATED SULFURIC ACID: Aged 70 hrs @ 250 °F**

Change - Hardness, Shore A	- 3
Change - Volume	+ 9.5 %