



Compound

9627FLUORINATED
HYDROCARBON - 60 DURO
BROWN COLOR**PRODUCT DATA SHEET**

Compound 9627 is a 60 durometer brown colored general purpose Fluorinated Hydrocarbon elastomer. It exhibits good resistance to heat, petroleum based oils and greases, as well as aliphatic and aromatic fuels.

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

ASTM D2000 2 HK 610 A1-10 B37 B38 EF31 EO78 F15
4 HK 610 A1-11 B38 EF31 EO78
6 HK 610 A1-10 A1-11 B31 B38 EF31 EO78 F15

Original Properties

Modulus @ 100% Elongation	229 psi	1.6 MPa
Tensile Strength	1303 psi	9.0 MPa
Ultimate Elongation	310 %	
Hardness, Shore A	60 Durometer	
Specific Gravity	1.92 grams/cc	
Brittleness Temperature	-13 °F	-25 °C
Tear Resistance, Die B	123 ppi	21.5 kN/m

Compression Set

Plied: 22 hrs @ RT (73°F, 23°C)	10.4 %
Plied: 22 hrs @ 347°F (175°C)	10.8 %
Plied: 22 hrs @ 392°F (200°C)	13.6 %

HEAT AGED: 70 hrs @ 482°F (250°C)

Change - Tensile Strength	+ 6.1 %
Change - Elongation	- 3.2 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 527°F (275°C)

Change - Tensile Strength	- 29.2 %
Change - Elongation	+ 9.7 %
Change - Hardness, Shore A	+ 2

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

Change - Hardness, Shore A	- 3
Change - Volume	+ 6.0 %

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

Change - Tensile Strength	+ 0.4 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	0
Change - Volume	+ 0.1 %



Compound

9627

**FLUORINATED
HYDROCARBON - 60 DURO
BROWN COLOR**

PRODUCT DATA SHEET

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

Change - Tensile Strength	- 22.2 %
Change - Elongation	- 16.1 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 4.1 %

ASTM OIL #1: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	+ 9.9 %
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	+ 6.2 %
Change - Elongation	- 3.2 %
Change - Hardness, Shore A	- 3
Change - Volume	+ 2.0 %

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

Change - Tensile Strength	- 15.6 %
Change - Elongation	+ 3.2 %
Change - Hardness, Shore A	- 7
Change - Volume	+ 10.5 %

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

Change - Tensile Strength	- 25.8 %
Change - Elongation	- 9.7 %
Change - Hardness, Shore A	- 14
Change - Volume	+ 18.8 %