

Compound

608804FLUORINATED HYDROCARBON
80 DUROMETER - BLACK COLOR
VITON® EXTREME ETP**PRODUCT DATA SHEET**

Compound 608804 is a 80 durometer black colored Viton® Extreme ETP. This material exhibits excellent chemical resistance. It is resistant to heat, petroleum based oils and aromatic fuels similar to other high fluorine fluoroelastomers. This compound also is resistant to acids, low molecular weight esters, ketones and aldehydes. It has inherent resistance to base attack and volume changes in highly caustic solutions, amines and hot water.

This compound has the following physical properties:

Original Properties

Modulus @ 100% Elongation	822 psi	5.7 MPa
Tensile Strength	2555 psi	17.6 MPa
Ultimate Elongation	257 %	
Hardness, Shore A	78 Durometer	
Specific Gravity	1.88 grams/cc	
Brittleness Temperature	-25 °F	-32 °C
Tear Resistance, Die B	0 ppi	0.0 kN/m

Compression Set

Plied: 22 hrs @ 392°F (200°C) 31.7 %

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

Change - Hardness, Shore A + 4
Change - Volume + 3.1 %

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

Change - Hardness, Shore A 0
Change - Volume + 0.5 %

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

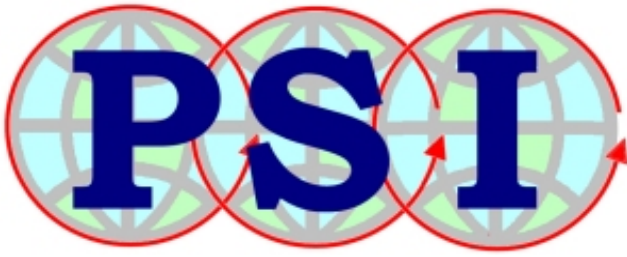
Change - Hardness, Shore A - 2
Change - Volume + 1.5 %

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

Change - Hardness, Shore A - 4
Change - Volume + 5.9 %

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

Change - Hardness, Shore A - 6
Change - Volume + 5.1 %



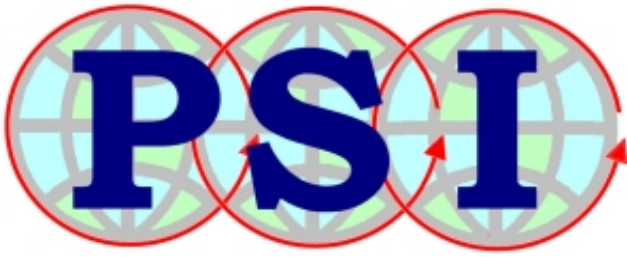
Compound

608804FLUORINATED HYDROCARBON
80 DUROMETER - BLACK COLOR
VITON® EXTREME ETP**PRODUCT DATA SHEET****METHANOL: Aged 168 hrs @ RT (73°F, 23°C)**Change - Hardness, Shore A - 2
Change - Volume + 1.3 %**50% MeOH/50% FUEL C:Aged 168 hrs. @ RT (70°F, 23°C**Change - Hardness, Shore A - 6
Change - Volume + 5.9 %**METHYL ETHYL KETONE: Aged 168 hrs @ RT (70°F, 23°C**

Change - Volume + 18.0 %

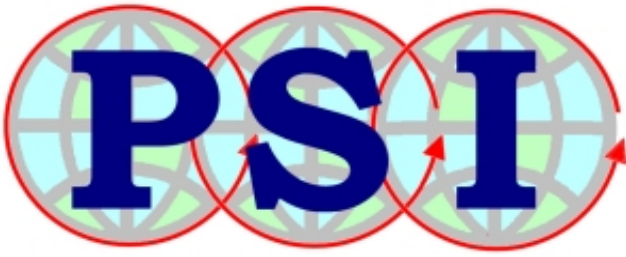
ETHANOL: Aged 600 hrs. @ RT (70°F, 23°C)Change - Hardness, Shore A 0
Change - Volume + 1.0 %**85% EtOH/15% FUEL C:Aged 600 hrs. @ RT (70°F, 23°C**Change - Hardness, Shore A - 3
Change - Volume + 2.8 %**15% EtOH/85% FUEL C:Aged 600 hrs. @ RT (70°F, 23°C**Change - Hardness, Shore A - 6
Change - Volume + 8.7 %**ASTM REFERENCE FUEL C: 600 hrs @ RT (73°F, 23°C)**Change - Hardness, Shore A - 6
Change - Volume + 7.8 %**METHANOL: Aged 600 hrs @ RT (73°F, 23°C)**Change - Hardness, Shore A - 2
Change - Volume + 2.3 %**50% MeOH/50% FUEL C:Aged 600 hrs. @ RT (70°F, 23°C**Change - Hardness, Shore A - 7
Change - Volume + 9.5 %**METHYL ETHYL KETONE: Aged 600 hrs @ RT (70°F, 23°C**

Change - Volume + 18.2 %



Compound

608804FLUORINATED HYDROCARBON
80 DUROMETER - BLACK COLOR
VITON® EXTREME ETP**PRODUCT DATA SHEET****ETHANOL: Aged 1600 hrs. @ RT (70°F, 23°C)**Change - Hardness, Shore A 0
Change - Volume + 1.7 %**85% EtOH/15% FUEL C:Aged 1600 hrs. @ RT (70°F, 23°**Change - Hardness, Shore A - 3
Change - Volume + 3.8 %**15% EtOH/85% FUEL C:Aged 1600 hrs. @ RT (70°F, 23°**Change - Hardness, Shore A - 6
Change - Volume + 7.4 %**ASTM REFERENCE FUEL C: 1600 hrs @ RT (73°F, 23°C)**Change - Hardness, Shore A - 6
Change - Volume + 8.4 %**METHANOL: Aged 1600 hrs @ RT (73°F, 23°C)**Change - Hardness, Shore A - 1
Change - Volume + 3.1 %**50% MeOH/50% FUEL C:Aged 1600 hrs. @ RT (70°F, 23°**Change - Hardness, Shore A - 7
Change - Volume + 10.6 %**ETHANOL: Aged 70 hrs. @ RT (70°F, 23°C)**Change - Hardness, Shore A 0
Change - Volume + 0.2 %**85% EtOH/15% FUEL C:Aged 70 hrs. @ RT (70°F, 23°C)**Change - Hardness, Shore A 0
Change - Volume + 1.0 %**15% EtOH/85% FUEL C: Aged 70 hrs. @ RT 70°F, 23°C**Change - Hardness, Shore A - 3
Change - Volume + 3.6 %**METHANOL: Aged 70 hrs @ RT (73°F, 23°C)**Change - Hardness, Shore A - 2
Change - Volume + 0.8 %



Compound

608804

FLUORINATED HYDROCARBON
80 DUROMETER - BLACK COLOR
VITON® EXTREME ETP

PRODUCT DATA SHEET

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

Change - Hardness, Shore A	- 4
Change - Volume	+ 3.9 %

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

Temperature	1.0 °F
-------------	--------