



Compound

48725

**FLUORINATED HYDROCARBON
70 DUROMETER - WHITE COLOR
USP CLASS VI & FDA MATERIALS**

PRODUCT DATA SHEET

Compound 48725 is a 70 durometer white colored Viton® GF formulated with FDA sanctioned materials. It has been tested to meet USP <87> and <88> Biological Reactivity Tests for Class VI materials and USP <661> Physicochemical Tests for plastics.

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

ASTM D2000 2 HK 715 A1-10 B37 B38
 4 HK 715 A1-11 B38
 6 HK 715 A1-10 A1-11 B31

3-A Sanitary Standards 18-03 Class I,II,III & IV
CFR 21 177.2600

This Compound is RoHS Compliant



Original Properties

Modulus @ 100% Elongation	332 psi	2.3 MPa
Tensile Strength	2,032 psi	14.0 MPa
Ultimate Elongation	314 %	
Hardness, Shore A	71 Durometer	
Specific Gravity	2.23 grams/cc	
TR-10 Temperature	23 °F	-5 °C
Tear Resistance, Die B	85 ppi	14.9 kN/m
Tear Resistance, Die C	103 ppi	18.0 kN/m

Compression Set

Plied: 22 hrs @ RT (73°F, 23°C)	9.3 %
Plied: 22 hrs @ 347°F (175°C)	10.6 %
Plied: 22 hrs @ 392°F (200°C)	14.1 %

HEAT AGED: 70 hrs @ 482°F (250°C)

Change - Tensile Strength	+ 19.1 %
Change - Elongation	+ 11.1 %
Change - Hardness, Shore A	+ 2



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HEAT AGED: 70 hrs @ 527°F (275°C)

Change - Tensile Strength	+ 16.7 %
Change - Elongation	+ 37.3 %
Change - Hardness, Shore A	+ 2

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

Change - Tensile Strength	- 7.0 %
Change - Elongation	+ 4.5 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 4.0 %

USP <661> Physicochemical Tests for Plastics

PASS

USP <87> Biological Reactivity Test for Class VI

Reactivity :Grade	.0
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USP <88> Biological Reactivity Test for Class VI

PASS