



Compound
423725
 ETHYLENE PROPYLENE
 70 DUROMETER - WHITE COLOR
 USP CLASS VI

PRODUCT DATA SHEET

Compound 423725 is a 70 durometer white colored EPDM elastomer. This compound has been tested and approved to meet USP Class VI.

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

ASTM D2000 2 AA 709 B13 EA14 F17
 8 BA 709 B13

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

This Compound is RoHS Compliant

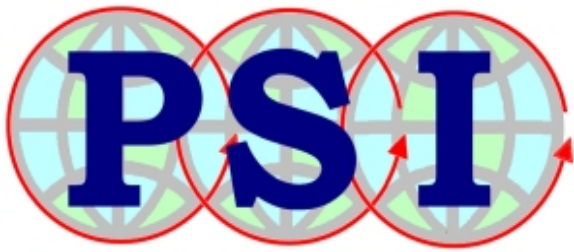


Original Properties

Modulus @ 100% Elongation	807 psi	5.6 MPa
Tensile Strength	1,437 psi	9.9 MPa
Ultimate Elongation	155 %	
Hardness, Shore A	73 Durometer	
Specific Gravity	1.12 grams/cc	
Brittleness Temperature	< -67 °F	< -55 °C
Tear Resistance, Die B	133 ppi	23.3 kN/m
Tear Resistance, Die C	98 ppi	17.2 kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	4.6 %
Solid: 22 hrs @ 212°F (100°C)	5.0 %
Solid: 22 hrs @ 257°F (125°C)	16.9 %
Solid: 22 hrs @ 302°F (150°C)	18.9 %
Solid: 70 hrs @ 212°F (100°C)	6.9 %
Plied: 22 hrs @ 158°F (70°C)	6.0 %
Plied: 22 hrs @ 212°F (100°C)	6.8 %
Plied: 22 hrs @ 257°F (125°C)	14.4 %
Plied: 22 hrs @ 302°F (150°C)	18.7 %
Plied: 70 hrs @ 212°F (100°C)	8.7 %



Compound

423725ETHYLENE PROPYLENE
70 DUROMETER - WHITE COLOR
USP CLASS VI**PRODUCT DATA SHEET****HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	- 11.3 %
Change - Elongation	- 7.3 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 2.5 %
Change - Elongation	- 5.4 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 37.2 %
Change - Elongation	- 31.6 %
Change - Hardness, Shore A	0

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

Change - Tensile Strength	- 17.0 %
Change - Elongation	- 4.3 %
Change - Hardness, Shore A	- 1
Change - Volume	- 1.1 %

USP <87> Biological Reactivity Test for Class VI

Reactivity :Grade	1.0
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USP <88> Biological Reactivity Test for Class VI

PASS