

Compound

**3625**NITRILE - BUTADIENE  
60 DUROMETER - WHITE  
FDA SANCTIONED MATERIAL**PRODUCT DATA SHEET**

Compound 3625 is a 60 durometer white colored Buna N elastomer, it is formulated with FDA sanctioned materials.

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

ASTM D2000 2 BF 615 EO34

2 BG 615 EA14 EF11 EO34  
5 BG 615 A14 EO34

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

**This Compound is RoHS Compliant****Original Properties**

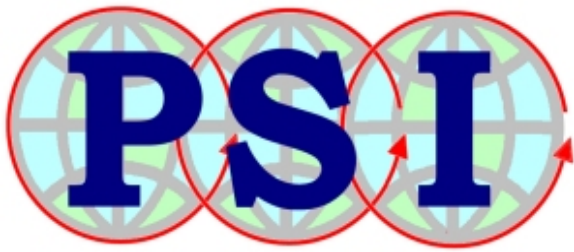
Modulus @ 100% Elongation	223 psi	1.5 MPa
Tensile Strength	2082 psi	14.4 MPa
Ultimate Elongation	602 %	
Hardness, Shore A	60 Durometer	
Specific Gravity	1.51 grams/cc	
Brittleness Temperature	-35 °F	-37 °C
Tear Resistance, Die B	179 ppi	31.3 kN/m
Tear Resistance, Die C	153 ppi	26.8 kN/m

**Compression Set**

Solid: 22 hrs @ 158°F (70°C)	31.7 %
Solid: 22 hrs @ 212°F (100°C)	39.5 %
Solid: 22 hrs @ 257°F (125°C)	49.1 %
Solid: 70 hrs @ 212°F (100°C)	49.1 %
Plied: 22 hrs @ 158°F (70°C)	37.8 %
Plied: 22 hrs @ 212°F (100°C)	50.8 %
Plied: 22 hrs @ 257°F (125°C)	66.7 %
Plied: 70 hrs @ 212°F (100°C)	64.5 %

**HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	- 10.2 %
Change - Elongation	- 13.1 %
Change - Hardness, Shore A	+ 10



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

Change - Hardness, Shore A - 6  
Change - Volume + 6.3 %

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

Change - Tensile Strength - 21.0 %  
Change - Elongation - 3.8 %  
Change - Hardness, Shore A 0  
Change - Volume - 0.5 %

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

Change - Tensile Strength - 73.0 %  
Change - Elongation - 28.4 %  
Change - Hardness, Shore A - 23  
Change - Volume + 21.9 %

**ASTM OIL #1 (IRM 901): 70 hrs @ 212°F (100°C)**

Change - Tensile Strength + 3.5 %  
Change - Elongation - 11.5 %  
Change - Hardness, Shore A + 7  
Change - Volume - 10.4 %

**ASTM OIL #3 (IRM 903): 70 hrs @ 212°F (100°C)**

Change - Tensile Strength - 0.6 %  
Change - Elongation - 11.8 %  
Change - Hardness, Shore A - 2  
Change - Volume + 4.3 %