



Compound

**23625**ETHYLENE PROPYLENE  
WHITE COLOR - 60 DURO  
FDA SANCTIONED MATL.**PRODUCT DATA SHEET**

Compound 23625 is a 60 durometer white colored EPDM formulated with FDA sanctioned materials.

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

ASTM D2000    2 AA 610 A13 EA14 F17  
                  3 AA 610 B13 B33 EA14 F17  
  
                  2 BA 610 F17  
                  8 BA 610 B13

**Original Properties**

Modulus @ 100% Elongation	247 psi	1.7 MPa
Tensile Strength	1037 psi	7.2 MPa
Ultimate Elongation	450 %	
Hardness, Shore A	58 Durometer	
Specific Gravity	1.23 grams/cc	
Brittleness Temperature	-71 °F	-57 °C
Tear Resistance, Die B	78 ppi	13.7 kN/m

**Compression Set**

Solid: 22 hrs @ 158°F (70°C)	16.5 %
Solid: 22 hrs @ 212°F (100°C)	17.2 %
Plied: 22 hrs @ 158°F (70°C)	18.7 %
Plied: 22 hrs @ 212°F (100°C)	21.4 %
Plied: 22 hrs @ 257°F (125°C)	34.3 %
Plied: 22 hrs @ 302°F (150°C)	49.0 %
Plied: 70 hrs @ 212°F (100°C)	30.6 %

**HEAT AGED: 70 hrs @ 158°F (70°C)**

Change - Tensile Strength	+ 7.4 %
Change - Elongation	0.0 %
Change - Hardness, Shore A	+ 6

**HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	+ 22.8 %
Change - Elongation	- 6.7 %
Change - Hardness, Shore A	+ 7

**HEAT AGED: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	+ 26.9 %
Change - Elongation	- 42.2 %
Change - Hardness, Shore A	+ 22



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**HEAT AGED: 70 hrs @ 302°F (150°C)**

Change - Tensile Strength	+ 14.4 %
Change - Elongation	- 65.8 %
Change - Hardness, Shore A	+ 23

**HEAT AGED: 70 hrs @ 257°F (125°C) Test Tube Method**

Change - Tensile Strength	+ 26.9 %
Change - Elongation	- 42.2 %
Change - Hardness, Shore A	+ 22

**HEAT AGED: 70 hrs @ 302°F (150°C) Test Tube Method**

Change - Tensile Strength	+ 14.4 %
Change - Elongation	- 65.8 %
Change - Hardness, Shore A	+ 23

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

Change - Tensile Strength	+ 1.6 %
Change - Elongation	+ 8.9 %
Change - Hardness, Shore A	+ 1
Change - Volume	+ 2.0 %