



Compound

13644**BUTYL
60 DUROMETER - BLACK
FDA SANCTIONED MAT'Ls****PRODUCT DATA SHEET**

Compound 13644 is a 60 durometer black colored Butyl 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 AA 615 A13 EA14 F17
 3 AA 615 B13 B33 EA14 F17
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 2 BA 615 F17
 3 BA 615 A14 B13 F17
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Original Properties

Modulus @ 100% Elongation	169 psi	1.2 MPa
Tensile Strength	1902 psi	13.1 MPa
Ultimate Elongation	500 %	
Hardness, Shore A	60 Durometer	
Specific Gravity	1.09 grams/cc	
Brittleness Temperature	-54 °F	-48 °C
Tear Resistance, Die B	167 ppi	29.2 kN/m
Tear Resistance, Die C	131 ppi	22.9 kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	10.8 %
Solid: 22 hrs @ 212°F (100°C)	31.3 %
Solid: 70 hrs @ 212°F (100°C)	52.0 %
Plied: 22 hrs @ 158°F (70°C)	12.6 %
Plied: 22 hrs @ 212°F (100°C)	46.0 %
Plied: 70 hrs @ 212°F (100°C)	63.7 %

HEAT AGED: 70 hrs @ 158°F (70°C)

Change - Tensile Strength	+ 1.4 %
Change - Elongation	- 4.0 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 6.5 %
Change - Elongation	- 8.0 %
Change - Hardness, Shore A	+ 2



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

Change - Hardness, Shore A
Change - Volume

- 2
+ 0.4 %