



Compound

23716**ETHYLENE PROPYLENE
BLACK COLOR - 70 DURO
ELECTRICALLY CONDUCT.****PRODUCT DATA SHEET**

Compound 23716 is a 70 durometer black colored EPDM elastomer, it is specifically formulated to be electrically conductive.

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

ASTM D2000 2 AA 720 A13 F17 EA14
 3 AA 720 B33 F17 EA14
 4 AA 720 A13 B33 F17 EA14
 5 AA 720 A13 B33 F17 EA14

 2 BA 720 F17
 3 BA 720 F17 F19
 4 BA 720 F17
 5 BA 720 F17 F19

Original Properties

Modulus @ 100% Elongation	361 psi	2.5 MPa
Tensile Strength	2055 psi	14.2 MPa
Ultimate Elongation	538 %	
Hardness, Shore A	69 Durometer	
Specific Gravity	1.10 grams/cc	
Brittleness Temperature	-81 °F	-63 °C
Tear Resistance, Die B	208 ppi	36.4 kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	25.9 %
Solid: 22 hrs @ 212°F (100°C)	62.3 %
Plied: 22 hrs @ 158°F (70°C)	41.8 %
Plied: 22 hrs @ 212°F (100°C)	74.0 %

HEAT AGED: 70 hrs @ 158°F (70°C)

Change - Tensile Strength	- 2.7 %
Change - Elongation	+ 28.3 %
Change - Hardness, Shore A	+ 5

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 3.8 %
Change - Elongation	- 39.6 %
Change - Hardness, Shore A	+ 13

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

Change - Hardness, Shore A	+ 1
Change - Volume	+ 2.3 %