



Compound

23719ETHYLENE PROPYLENE
BLACK COLOR - 70 DURO
GRAPHITE FILLED**PRODUCT DATA SHEET**

Compound 23719 is a 70 dirometer black colored EPDM elastomer, it is formulated with graphite to provide internal lubrication. It exhibits good resistance to heat and water. It will remain non brittle at low temperatures.

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

ASTM D2000	2 AA 715 A13 F17 EA14
	3 AA 715 B13 B33 F17 EA14
	4 AA 715 A13 B13 B33 F17 EA14
	5 AA 715 A13 B13 B33 F17 EA14
	2 BA 715 F17
	3 BA 715 A14 F17 F19
	4 BA 715 A14 F17
	5 BA 715 F17 F19
	6 BA 715 B13
	3 CA 710 A25 B44 B35 F17 F18 G11 G21 EA14
	4 CA 715 A25 B35 F17 F18 F19 G11 G21 EA14
	5 CA 715 A25 B35 FV17 F18 G11 G21 EA14
	2 DA 715 A26 B36 EA14 F19 G11 G21
	3 DA 715 A26 B36 EA14 F19 G11 G21

Original Properties

Modulus @ 100% Elongation	463 psi	3.2 MPa
Tensile Strength	1983 psi	13.7 MPa
Ultimate Elongation	366 %	
Hardness, Shore A	74 Durometer	
Specific Gravity	1.14 grams/cc	
Brittleness Temperature	< -80 °F	< -62 °C
Tear Resistance, Die B	212 ppi	37.1 kN/m
Tear Resistance, Die C	222 ppi	38.9 kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	12.4 %
Solid: 22 hrs @ 212°F (100°C)	21.5 %
Solid: 70 hrs @ 212°F (100°C)	24.7 %
Plied: 22 hrs @ 158°F (70°C)	18.1 %
Plied: 22 hrs @ 212°F (100°C)	30.5 %
Plied: 22 hrs @ 257°F (125°C)	20.8 %
Plied: 22 hrs @ 302°F (150°C)	34.0 %
Plied: 70 hrs @ 212°F (100°C)	25.9 %



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23719ETHYLENE PROPYLENE
BLACK COLOR - 70 DURO
GRAPHITE FILLED**PRODUCT DATA SHEET****HEAT AGED: 70 hrs @ 158°F (70°C)**

Change - Tensile Strength	+ 0.6 %
Change - Elongation	+ 7.7 %
Change - Hardness, Shore A	+ 1
Change - Weight	- 1.6 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 14.9 %
Change - Elongation	- 17.4 %
Change - Hardness, Shore A	+ 5
Change - Weight	- 1.5 %

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 22.1 %
Change - Elongation	- 23.2 %
Change - Hardness, Shore A	+ 4
Change - Weight	- 1.8 %

HEAT AGED: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	+ 5.2 %
Change - Elongation	- 5.7 %
Change - Hardness, Shore A	+ 5

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

Change - Tensile Strength	+ 22.1 %
Change - Elongation	- 23.2 %
Change - Hardness, Shore A	+ 4
Change - Weight	- 1.8 %

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

Change - Tensile Strength	+ 5.2 %
Change - Elongation	- 5.7 %
Change - Hardness, Shore A	+ 5

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

Change - Hardness, Shore A	0
Change - Volume	- 0.5 %