



Compound

23718ETHYLENE PROPYLENE
BLACK COLOR - 70 DURO
TEFLON FILLED**PRODUCT DATA SHEET**

Compound 23718 is a 70 durometer black colored EPDM elastomer, it is formulated with Teflon to provide internal lubrication. It exhibits good resistance to heat, compression set and boiling 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 EA14 F17
	3 AA 715 B13 B33 EA14 F17 G21
	4 AA 715 A13 B13 B33 EA14 F17 G21 F17
	5 AA 715 A13 B13 B33 EA14 F17 G21
	2 BA 715 F17
	3 BA 715 A14 B13 F17 F19
	4 BA 715 A14 F17
	5 BA 715 F17 F19
	4 CA 715 A25 B35 EA14 F17 F18 F19 G21
	5 CA 715 A25 B35 EA14 F17 F18 G11 G21

Original Properties

Modulus @ 100% Elongation	367 psi	2.5 MPa
Tensile Strength	2388 psi	16.5 MPa
Ultimate Elongation	303 %	
Hardness, Shore A	75 Durometer	
Specific Gravity	1.15 grams/cc	
Brittleness Temperature	< -70 °F	< -57 °C
Tear Resistance, Die B	148 ppi	25.9 kN/m
Tear Resistance, Die C	187 ppi	32.7 kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	13.9 %
Solid: 22 hrs @ 212°F (100°C)	11.3 %
Solid: 22 hrs @ 257°F (125°C)	10.4 %
Plied: 22 hrs @ 158°F (70°C)	18.1 %
Plied: 22 hrs @ 212°F (100°C)	13.8 %
Plied: 22 hrs @ 257°F (125°C)	13.8 %

HEAT AGED: 70 hrs @ 158°F (70°C)

Change - Tensile Strength	+ 4.6 %
Change - Elongation	+ 5.6 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 5.7 %
Change - Elongation	+ 6.3 %
Change - Hardness, Shore A	0



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HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 6.1 %
Change - Elongation	+ 8.6 %
Change - Hardness, Shore A	+ 1

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

Change - Tensile Strength	+ 6.1 %
Change - Elongation	+ 8.6 %
Change - Hardness, Shore A	+ 1

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

Change - Hardness, Shore A	- 2
Change - Volume	- 1.3 %