



Compound

23513ETHYLENE PROPYLENE
50 DUROMETER
BLACK COLOR**PRODUCT DATA SHEET**

Compound 23513 is a 50 durometer black colored EPDM elastomer, it is formulated for minimal swell in brake fluid. It exhibits good resistance to compression set and 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 508 A13 F17 EA14
2 BA 510 F17
8 BA 510 B13
3 CA 510 A25 B44 B35 EA14 F17 F18
2 DA 510 B36 EA14 F19 G21

Original Properties

Modulus @ 100% Elongation	162 psi	1.1 MPa
Tensile Strength	1133 psi	7.8 MPa
Ultimate Elongation	665 %	
Hardness, Shore A	52 Durometer	
Specific Gravity	1.00 grams/cc	
Brittleness Temperature	< -70 °F	< -57 °C
Tear Resistance, Die B	77 ppi	13.5 kN/m
Tear Resistance, Die C	136 ppi	23.8 kN/m

Compression Set

Solid: 22 hrs @ 158°F (70°C)	13.8 %
Solid: 22 hrs @ 212°F (100°C)	16.3 %
Solid: 22 hrs @ 257°F (125°C)	19.7 %
Solid: 22 hrs @ 302°F (150°C)	30.2 %
Solid: 70 hrs @ 212°F (100°C)	20.1 %
Plied: 22 hrs @ 158°F (70°C)	14.7 %
Plied: 22 hrs @ 212°F (100°C)	11.4 %
Plied: 22 hrs @ 257°F (125°C)	15.8 %
Plied: 22 hrs @ 302°F (150°C)	25.9 %
Plied: 70 hrs @ 212°F (100°C)	16.5 %

HEAT AGED: 70 hrs @ 158°F (70°C)

Change - Tensile Strength	+ 6.5 %
Change - Elongation	- 23.9 %
Change - Hardness, Shore A	0

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 2.6 %
Change - Elongation	- 0.5 %
Change - Hardness, Shore A	+ 3



Compound

23513

**ETHYLENE PROPYLENE
50 DUROMETER
BLACK COLOR**

PRODUCT DATA SHEET

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	+ 12.2 %
Change - Elongation	+ 2.0 %
Change - Hardness, Shore A	+ 3

HEAT AGED: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	+ 17.4 %
Change - Elongation	- 23.9 %
Change - Hardness, Shore A	+ 4

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

Change - Tensile Strength	+ 12.2 %
Change - Elongation	+ 2.0 %
Change - Hardness, Shore A	+ 3

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

Change - Tensile Strength	+ 17.4 %
Change - Elongation	- 23.9 %
Change - Hardness, Shore A	+ 4