

Compound
3606
NITRILE - BUTADIENE
60 DUROMETER
BLACK COLOR

PRODUCT DATA SHEET

Compound 3606 is a 60 durometer medium high nitrile Buna N elastomer. It exhibits good physical properties. It exhibits good resistance to oils and greases. It will also remain non brittle at low temperatures.
This compound is ADCF.

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

- ASTM D2000 2 BF 620 B14 B34 EO14 EO34
- 2 BG 620 B14 B34 EA14 EF11 EF21 EO14 EO34 F17
- 3 BG 620 B14 EO14
- 4 BG 620 A14 B14
- 5 BG 620 A14 B14 B34 EO14 EO34
- 4 BK 620 A24 B14 B34 EF11 EO14



Original Properties

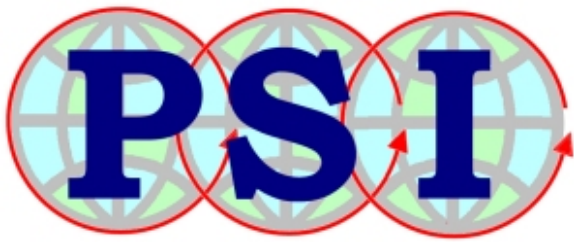
Modulus @ 100% Elongation	207 psi	1.4 MPa
Tensile Strength	2,313 psi	15.9 MPa
Ultimate Elongation	681 %	
Hardness, Shore A	60 Durometer	
Specific Gravity	1.18 grams/cc	
Brittleness Temperature	-42 °F	-41 °C
TR-10 Temperature	-19 °F	-28 °C

Compression Set

Solid: 22 hrs @ 212°F (100°C)	10.5 %
Solid: 22 hrs @ 257°F (125°C)	14.6 %
Solid: 70 hrs @ 212°F (100°C)	15.3 %
Plied: 22 hrs @ 212°F (100°C)	18.0 %
Plied: 22 hrs @ 257°F (125°C)	22.8 %
Plied: 70 hrs @ 212°F (100°C)	24.4 %

HEAT AGED: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 4.9 %
Change - Elongation	- 15.3 %
Change - Hardness, Shore A	+ 2



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Change - Tensile Strength	+ 6.3 %
Change - Elongation	- 30.7 %
Change - Hardness, Shore A	+ 5

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

Change - Hardness, Shore A	- 2
Change - Volume	+ 5.1 %

ASTM REFERENCE FUEL C: 70 hrs @ RT (73°F, 23°C)

Change - Tensile Strength	- 71.2 %
Change - Elongation	- 64.2 %
Change - Hardness, Shore A	- 20
Change - Volume	+ 57.4 %

ASTM OIL #1 (IRM 901): 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 3.4 %
Change - Elongation	- 13.2 %
Change - Hardness, Shore A	0
Change - Volume	- 3.5 %

ASTM OIL #3 (IRM 903): 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 7.9 %
Change - Elongation	- 12.3 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 8.6 %