Compound

3301

NITRILE - BUTADIENE
30 DUROMETER
BLACK COLOR

PRODUCT DATA SHEET

Compound 3301 is a 30 durometer black colored general purpose Buna N. It will remain non brittle at low temperatures.

This compound has the following physical properties:

Original Properties				
Modulus @ 100% Elongation	57	psi	0.4	MPa
Tensile Strength	171	psi	1.2	MPa
Ultimate Elongation	210	%		
Hardness, Shore A	34	Durometer		
Specific Gravity	1.13	grams/cc		
Brittleness Temperature	-76	°F	-60	°C
Tear Resistance, Die B	36	ppi	6.3	kN/m

Compression Set	
Solid: 22 hrs @ 212°F (100°C)	9.1 %
Plied: 22 hrs @ 212°F (100°C)	20.6 %
Plied: 70 hrs @ 212°F (100°C)	30.5 %

HEAT AGED: 70 hrs @ 212°F (100°C)	
Change - Tensile Strength	+ 137.4 %
Change - Elongation	+ 19.0 %
Change - Hardness, Shore A	+ 13

DISTILLED WATER AGED: 70 hrs @ 212°F (100°C)	
Change - Hardness, Shore A	+ 2
Change - Volume	+ 5.7 %

ASTM REFERENCE FUEL A: 70 hrs @ RT (73°F, 23°C)	
Change - Tensile Strength	+ 83.6 %
Change - Elongation	+ 38.1 %
Change - Hardness, Shore A	+ 4
Change - Volume	- 15.7 %

ASTM REFERENCE FUEL B: 70 hrs @ RT (73°F, 23°C)	
Change - Tensile Strength	- 16.4 %
Change - Elongation	- 19.0 %
Change - Hardness, Shore A	0
Change - Volume	+ 3.4 %

Presure Seals, Inc.
310 Nutmeg Road South
South Windsor, CT 06074
Phone: (860) 282-9100
Fax: (860) 282-9001
Toll: (877) PSI-SEAL
www.PressureSeal.com

Compound

3301

NITRILE - BUTADIENE
30 DUROMETER
BLACK COLOR

PRODUCT DATA SHEET

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 226.9 %
Change - Elongation	+ 47.6 %
Change - Hardness, Shore A	+ 16
Change - Volume	- 34.1 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 154.4 %
Change - Elongation	+ 28.6 %
Change - Hardness, Shore A	+ 6
Change - Volume	- 16.8 %

Tear Resistance, Method D 624, Die B

Tear Resistance	36.0 ppi

Presure Seals, Inc.
310 Nutmeg Road South
South Windsor, CT 06074
Phone: (860) 282-9100
Fax: (860) 282-9001
Toll: (877) PSI-SEAL
www.PressureSeal.com