

Compound

55657**HIGHLY SATURATED NITRILE
65 DUROMETER - BLACK COLOR
SELF LUBRICATING****PRODUCT DATA SHEET**

Compound 55657 is a 65 durometer black colored Highly Saturated Nitrile, formulated using an organic lubricant to provide self lubrication for improved break-away and reduced running friction. This compound has been compounded for enhanced abrasion resistance. It exhibits good resistance to heat, compression set and petroleum based oils.

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

ASTM D2000 2 BG 625 B14 B34 EO14 EO34 F19

4 BK 625 A24 B14 B34 EF11

2 CH 625 A25 B14 B34 EO15 F17

3 CH 625 A25 B14 B34 EO16 EO36

5 CH 615 A25 B14 B34 F14

6 CH 615 A25 B14 B34 F17

2 DH 615 A26 EO36 F14

This Compound is RoHS Compliant**Original Properties**

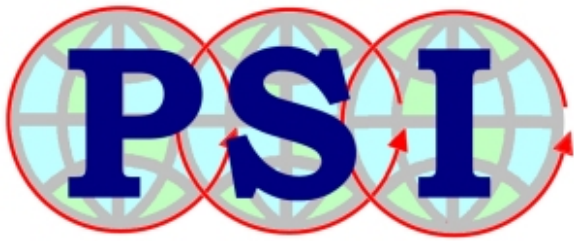
Modulus @ 100% Elongation	346 psi	2.4 MPa
Tensile Strength	3,735 psi	25.7 MPa
Ultimate Elongation	448 %	
Hardness, Shore A	65 Durometer	
Specific Gravity	1.17 grams/cc	
Brittleness Temperature	< -80 °F	< -62 °C
Tear Resistance, Die B	145 ppi	25.4 kN/m

Compression Set

Solid: 22 hrs @ 257°F (125°C)	26.8 %
Plied: 22 hrs @ 257°F (125°C)	16.5 %

HEAT AGED: 70 hrs @ 257°F (125°C)

Change - Tensile Strength	- 3.6 %
Change - Elongation	- 5.2 %
Change - Hardness, Shore A	+ 5



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Change - Tensile Strength	- 5.4 %
Change - Elongation	- 7.9 %
Change - Hardness, Shore A	+ 6

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

Change - Tensile Strength	- 3.6 %
Change - Elongation	- 5.2 %
Change - Hardness, Shore A	+ 5

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

Change - Tensile Strength	- 18.1 %
Change - Elongation	- 9.3 %
Change - Hardness, Shore A	0
Change - Volume	+ 3.0 %

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

Change - Tensile Strength	- 64.2 %
Change - Elongation	- 45.9 %
Change - Hardness, Shore A	- 15
Change - Volume	+ 33.4 %

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

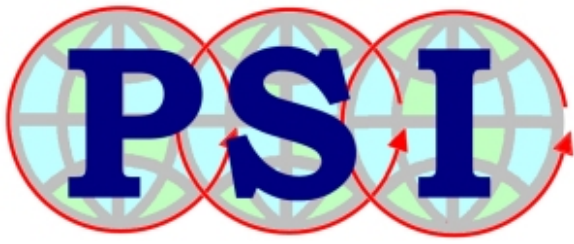
Change - Tensile Strength	- 75.7 %
Change - Elongation	- 58.3 %
Change - Hardness, Shore A	- 20
Change - Volume	+ 54.9 %

ASTM OIL #1 (IRM 901): 70 hrs @ 302°F (150°C)

Change - Tensile Strength	+ 3.0 %
Change - Elongation	- 2.1 %
Change - Hardness, Shore A	+ 5
Change - Volume	- 7.3 %

ASTM OIL #3 (IRM 903): 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 23.2 %
Change - Elongation	- 21.8 %
Change - Hardness, Shore A	- 4
Change - Volume	+ 7.8 %



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TR-10 : ASTM D1329 (10% Retraction @ °F)

Temperature

- 38.0 °F