

Compound

4757**CHLOROPRENE
70 DUROMETER
BLUE-TEFLON FILLED****PRODUCT DATA SHEET**

Compound 4757 is a 70 durometer blue colored Neoprene elastomer, it is formulated with Teflon to provide internal lubrication. It exhibits good tear strength and good resistance to moderate heat.

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

ASTM D2000 3 BC 715 A14 B14 EO14 EO34 G21 Z1
5 BC 715 A14 B14 EO14 EO34 G21 Z1
6 BC 715 A14 B14 EO14 EO34 G21 Z1

2 BE 715 A14 EO14 EO34 Z1
3 BE 715 A14 EO14 EO34 G21 Z1

Z1 = 75 +/- 5 Shore A Durometer

Original Properties

Modulus @ 100% Elongation	1048 psi	7.2 MPa
Tensile Strength	1952 psi	13.5 MPa
Ultimate Elongation	460 %	
Hardness, Shore A	79 Durometer	
Specific Gravity	1.71 grams/cc	
Brittleness Temperature	-26 °F	-32 °C
Tear Resistance, Die B	259 ppi	45.4 kN/m
Tear Resistance, Die C	277 ppi	48.5 kN/m

Compression Set

Solid: 22 hrs @ 212°F (100°C)	27.8 %
Solid: 70 hrs @ 212°F (100°C)	33.9 %
Plied: 22 hrs @ 212°F (100°C)	38.7 %
Plied: 70 hrs @ 212°F (100°C)	46.5 %

HEAT AGED: 70 hrs @ 212°F (100°C)

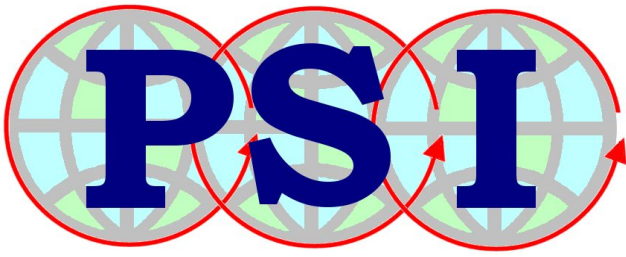
Change - Tensile Strength	+ 2.5 %
Change - Elongation	- 6.5 %
Change - Hardness, Shore A	+ 3

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

Change - Hardness, Shore A	- 6
Change - Volume	+ 9.0 %

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

Change - Tensile Strength	- 25.2 %
Change - Elongation	+ 4.3 %
Change - Hardness, Shore A	- 6
Change - Volume	+ 10.9 %



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BLUE-TEFLON FILLED

PRODUCT DATA SHEET

ASTM OIL #1: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	+ 8.5 %
Change - Elongation	+ 10.9 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 5.0 %

ASTM OIL #3: 70 hrs @ 212°F (100°C)

Change - Tensile Strength	- 22.2 %
Change - Elongation	- 10.9 %
Change - Hardness, Shore A	- 20
Change - Volume	+ 53.1 %

Tear Resistance, Method D 624, Die B

Tear Resistance	259.0 ppi
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Tear Resistance, Method D 624, Die C

Tear Resistance	277.0 ppi
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