

Compound

21747POLYACRYLATE
70 DUROMETER
BLACK COLOR**PRODUCT DATA SHEET**

Compound 21747 is a 70 durometer black colored general purpose Polyacrylic polymer. It exhibits good resistance to compression set, heat and petroleum based oils.

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

ASTM D2000 2 DF 712 A26 B16 B36 EO16 EO36
5 DF 708 A26 B16 EO16 EO36

3 DH 715 A26 B16 B36 EO16 EO36 F13
5 DH 708 A26 B16 EO16 EO36 F13

Original Properties

Modulus @ 100% Elongation	763 psi	5.3 MPa
Tensile Strength	1760 psi	12.1 MPa
Ultimate Elongation	220 %	
Hardness, Shore A	73 Durometer	
Specific Gravity	1.30 grams/cc	
Brittleness Temperature	14 °F	-10 °C
Tear Resistance, Die B	179 ppi	31.3 kN/m

Compression Set

Solid: 22 hrs @ 302°F (150°C)	14.4 %
Solid: 70 hrs @ 302°F (150°C)	23.4 %
Plied: 22 hrs @ 302°F (150°C)	24.8 %

HEAT AGED: 70 hrs @ 302°F (150°C)

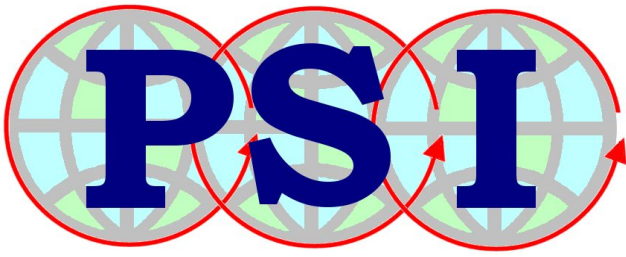
Change - Tensile Strength	- 6.8 %
Change - Elongation	- 27.3 %
Change - Hardness, Shore A	+ 7

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

Change - Tensile Strength	- 6.8 %
Change - Elongation	- 27.3 %
Change - Hardness, Shore A	+ 7

ASTM OIL #1: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	+ 6.1 %
Change - Elongation	- 13.6 %
Change - Hardness, Shore A	+ 3
Change - Volume	- 0.4 %



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PRODUCT DATA SHEET

ASTM OIL #3: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 10.3 %
Change - Elongation	- 13.6 %
Change - Hardness, Shore A	- 8
Change - Volume	+ 12.4 %

SERVICE FLUID 100: 70 hrs @ 302°F (150°C)

Change - Tensile Strength	- 0.9 %
Change - Elongation	- 9.1 %
Change - Hardness, Shore A	+ 1
Change - Volume	+ 1.8 %