

• **Original Physical Properties**
ASTM D 412, D 2240

Die C dumbbells tested at 20 in./min.

	RESULTS
Ultimate Elongation, %	80
Tensile Strength, PSI	600
Shore A Durometer, PTS	64

• **Ultra Violet light Exposure ASTM D 925**

Specimens exposed 168 hours at a 10 in. distance from a 275 W. type RS bulb. Die C dumbbells tested at 20 in./min.

	RESULTS
Ultimate, Elongation, %	70
Tensile Strength, PSI	470
Shore A Durometer, PTS	70

• **Taber Abrasion, ASTM D 3389**

	RESULTS
Taber wear index	
mg/loss 1000 cycles	436

• **Artificial Weathering ASTM 750, G, 23**

Specimens exposed 300 hours in a carbon arc burning, ASTM G 23 Type E Weatherometer with water spray and alternate corex D filters removed.

	RESULTS
Ultimate Elongation, %	80
Tensile Strength, PSI	460
Shore A Durometer, PTS	70

• **Heat-Aged Physical Properties, ASTM D 573**

336 hours @ 185° F in a forced-air oven, Die C dumbbells tested at 20 in./min.

	RESULTS
Ultimate Elongation, %	3-
Tensile Strength, PSI	300
Shore A Durometer, PTS	75

• **Flame Resistance, UL 94HB**

RESULTS	REQUIRE
Burn rates, in./min. 84	1.5 max

• **Flame Resistance, MIL-M-15562F**

Horizontal burn.

	RESULTS	REQUIRE
After flame duration	72	240 max. pass
Char length, inches	4	10 max. pass

• **Specific Gravity, ASTM D 297**

Water displacement method, Specific displacement method.

Specimens gravity, g/m	1.06-1.15
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• **Tear Resistance, ASTM D 624, Die C**

	RESULTS
Tear Strength, lbs./in.	117

• **Compression/Deflection ASTM D 575, Method A**

1 in 2 surface area buttons deflected at 0.5 in./min.

DEFLECTION, %	LOAD, PSI
5	50
10	100
20	205
30	345
40	610
50	1000*

*Exceeded testing apparatus capacity

• **Dimensional Stability**

Samples aged 24 hours @ 120° F, 24 hour recovery.

Length change %	0.24
Width change %	0.24

• **Mat Spacing**

Mats should be spaced 2" apart to permit expansion during hot weather. See installation instructions for complete details.

• **Fluid Resistance ASTM D 473**

Specimens immersed 24 hours @ 73° F

TEST FLUIDS	ULTIMATE ELONGATION %	TENSILE STRENGTH PSI	SHORE A DUROMETER PTS	VOLUME CHANGE %
Naptha	30	160	45	+ 80.3
Xylenes	10	70	36	+ 156.3
Unleaded Gas	30	130	42	+ 68.4
Wesson Oil	100	710	42	+ 7.2
10W-30 Motor Oil	90	660	42	+ 7.4
MIL-H-5606E	50	210	48	+ 70.2
ASTM #2 Oil	70	500	64	+ 3.1
Concentrated Lactic Acid 85%	90	580	59	0.0
Sulfuric Acid (1N)	80	530	48	+ 0.5