

Naugahyde® with Advanced Beauty Gard® combines beauty, comfort and durability making it the ideal choice for gym, health club and spa environments. Fitness facilities also value that many of our vinyl fabrics are designed to be antibacterial, antifungal, abrasion resistant and fire retardant. The protective top coat finish is produced from environmentally friendly materials and processes and is stain resistant and easy to clean.



TECHNICAL DATA BULLETIN

PATTERN:

**“SPIRIT MILLENIUM”
(US)**

Revised 11/17
(SPS-0152)

DESCRIPTION:

Expanded vinyl on Jersey Knit.
Advanced "BeautyGard" protective finish.

<u>MATERIAL CHARACTERISTICS:</u>	<u>REQUIREMENTS</u>			<u>TEST METHOD</u>
	<u>STD</u>	<u>MIN</u>	<u>MAX</u>	
Width, inches		54		CFFA-700a
Weight, oz/yd ²	24.5	23.0	26.0	CFFA-700d
Thickness, mils	50	46	55	CFFA-700c
Coating/Fabric Bond lb./in				
Machine Direction		3.0		CFFA-3
Cross Direction		3.0		
Tensile Strength, lb.				
Machine Direction		65		CFFA-17
Cross Direction		60		
Tearing Resistance, lb. (Trapezoid Method)				
Machine Direction		14		CFFA-16c
Cross Direction		12		

(continued)

“All recommendations for the use of the product or products described herein and all other data or information set forth in this bulletin, whether concerning such products or otherwise, are furnished without any guarantee, warranty, representation or inducement of any kind, whether express or implied, including but not limited to, implied warranties of merchantability and fitness for a particular purpose, and Uniroyal Global Engineered Products, LLC expressly disclaims liability under any theory including, without limitation, contract, negligence, misrepresentation or breach of any obligation relating to the recommendation, data or information set forth herein, readers and customers are encouraged to conduct their own tests. Read all labels and instructions before using any product.”

Where flame, smoke, fire codes, etc. are indicated, the following applies:

“This term and any corresponding data refer to the typical performance in the specific tests indicated and should not be construed to imply the behavior of this data or any other material under other fire conditions.”

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<u>MATERIAL CHARACTERISTICS:</u>	<u>REQUIREMENTS</u>	<u>TEST METHOD</u>
Stitch Tear		
Machine Direction	25	CFFA-16
Cross Direction	20	
Stretch percent		
Machine Direction	5 minimum	CFFA-15
Cross Direction	25 minimum	
Abrasion Resistance	No wear through to vinyl foam at 500 double rubs with 240 grit silicon-carbon cloth.	CFFA-1a
	No wear through to vinyl foam at 250,000 double rubs on #8 cotton duck.	CFFA-1a Wyzenbeek
Blocking	Scale rating No. 3 maximum.	CFFA-4
Crocking	Good - minimum	CFFA-7
Hydrostatic Resistance	50 psi minimum	191A-5512
Low temperature Resistance	No cracking at -20 degrees Fahrenheit	CFFA-6a 5# roller
Accelerated weathering Resistance	No appreciable fading, discoloration or stiffness at 120 hours	SAE J1885 Weatherometr
Plasticizer weight loss Percent activated carbon extraction	10 percent maximum	CFFA-18

(continued)

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<u>MATERIAL CHARACTERISTICS:</u>	<u>REQUIREMENT</u>	<u>TEST METHOD</u>
Volatility	10 percent maximum	CID-A-A-2950A* 4.4.3
Flexing (Newark)	No separation of vinyl foam from vinyl skin or base fabric after 15000 cycles	CFFA-10
Breaking Strength After Accelerated Aging	75% of initial breaking strength min. after aging 48 hours at 212 to 221 degrees Fahrenheit.	191A-5100 191A-5850
Mildew Resistance	75% of initial breaking strength min.	191A-5100 191A-5762
Oil Resistance	Oil shall not permeate coated fabric	CFFA-13
Sulfide Stain	No yellowing or shade alteration	ASTM D1712

SPIRIT MILLENIUM is formulated to meet the small scale flammability test requirements for upholstered materials contained in the following specifications:

CID-A-A-2950A* Federal Test Method Standard 191A-5903
MVSS-302
FAR 25.853a, Appendix F, Part I(a)(1)(ii)
Port Authority of NY & NJ
California Technical Bulletin 117-2013

Test Method Codes: "191A" -Federal Test Method Standard 191 Textile Test Methods
"CFFA" -Chemical Fabrics and Film Assn.
"CS" -Commercial Standard, Dept. of Commerce

* As modified by CID-A-A-2950A*