



Technical Data Bulletin

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July, 2000

PATTERN: "UNIVERSAL"
(MT) (SPS-232)

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

MATERIAL CHARACTERISTICS:	REQUIREMENTS			TEST METHOD
	STD	MIN	MAX	
Width, inches		54		CFFA-700a
Thickness (mils)	38	33	43	CFFA-700c
Weight (oz/sq. yd)	17.3	14.8	19.8	191A-5041
Coating/Fabric Bond (lb./in)				CFFA-3a
Machine Direction		2.5		
Cross Direction		2.5		
Tensile Strength (lb)				CFFA-17
Machine Direction		75		
Cross Direction		60		
Tearing Resistance (lb) (Trapezoid Method)				CFFA-16c
Machine Direction		11		
Cross Direction		12		

"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 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 PRODUCTS."

WHERE FLAME, SMOKE, FIRE, CODES, ETC. ARE INDICATED THE FOLLOWING APPLIES:

"THIS TERM AND ANY CORRESPONDING DATA REFER TO TYPICAL PERFORMANCE IN THE SPECIFIC TESTS INDICATED AND SHOULD NOT BE CONSTRUED TO IMPLY THE BEHAVIOR OF THIS OR ANY OTHER MATERIAL UNDER OTHER FIRE CONDITIONS."

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MATERIAL CHARACTERISTICS: REQUIREMENTS		TEST METHOD
Abrasion Resistance	No wear through to fabric at 500,000 double rubs on #8 cotton duck.	CFFA-1a
Blocking	Scale rating No.3 maximum.	CFFA-4
Crocking	Good -minimum	CFFA-7
Low temperature Resistance	-20 degrees Fahrenheit (No cracking)	CFFA-6a 5# roller
Accelerated weathering Resistance	No more than slight discoloration, change in gloss, or surface degradation after exposure to 451.2 kJ/sq. m	SAEJ1885
Sulfide Stain	No yellowing or shade alteration.	GM 9069P
Pink Stain Test	No pink stain after 1 week.	ASTM E-1428

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

MVSS-302
BIFMA, Screen Test 4.6.1.1
California Technical Bulletin 117-2013
UFAC Class I Rating

Universal contains an agent to protect it against fungal microorganisms.

Test Method Codes : "191A"-Federal Standard 191A Textile Test Methods
"CFFA"-Chemical Fabrics and Film Assn.
"SAE" -Society of Automotive Engineers
"ASTM"-American Society for Testing and Materials
"GM" - General Motors Test Method