



# Technical Data Bulletin

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PATTERN: "EXPRESSIONS" (EX) Revised 9/01 (SPS-0152)

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

MATERIAL CHARACTERISTICS:	REQUIREMENTS			TEST METHOD
	STD	MIN	MAX	
Width, inches	54			191A-5020
Weight, oz/yd <sup>2</sup>	24.5	23.0	26.0	191A-5041
Thickness, mils	50	46	55	191A-5030
Coating/Fabric Bond lb./in				
Machine Direction		3.0		CS-273-65
Cross Direction		3.0		
Tensile Strength, lb.				
Machine Direction		65		191A-5100
Cross Direction		60		
Tearing Resistance, lb. (Trapezoid Method)				
Machine Direction		14		191A-5136
Cross Direction		12		
Stitch Tear				
Machine Direction		25		CS-273-65
Cross Direction		20		

(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 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 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 ..

"EXPRESSIONS"  
(EX)

MATERIAL CHARACTERISTICS:	REQUIREMENTS	TEST METHOD
Stretch percent Machine Direction Cross Direction	5 minimum 25 minimum	CID-A-A-2950A* 4.4.5
Abrasion Resistance	No wear through to vinyl foam at 500 double rubs with 240 grit silicon-carbon cloth.	191A-5304
	No wear through to vinyl foam at 250,000 double rubs with #8 cotton duck.	CFFA-1a
Blocking	Scale rating No. 3 maximum.	191A-5872
Crocking	Good - minimum	191A-5651
Hydrostatic Resistance	50 psi minimum	191A-5512
Low temperature Resistance	No cracking at -20 degrees Fahrenheit	191A-5874 5# roller
Accelerated weathering Resistance	No appreciable fading, discoloration or stiffness at 120 hours	191A-5804 Weatherometer
Plasticizer weight loss Percent activated carbon extraction	10 percent maximum	CID-A-A-2950A* 4.4.4.1
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	cs-273-65
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

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**TECHNICAL DATA BULLETIN**

**"EXPRESSIONS"  
(EX)**

Revised 9/01  
(SPS-0152)

<b>MATERIAL CHARACTERISTICS:</b>	<b>REQUIREMENT</b>	<b>TEST METHOD</b>
Mildew Resistance	75% of initial breaking strength min.	191A-5100 191A-5762
Oil Resistance	Oil shall not permeate coated fabric	CID-A-A-2950A *
Sulfide Stain	No yellowing or shade alteration	GM9069P

**EXPRESSIONS** 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)  
BIFMA. Screen Test 4.6.1.1  
Port Authority of NY & NJ  
Boston Fire Dept. IX-1  
California Technical Bulletin 117-2013

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

\* CID-A-A-2950A replaces CCC-A-680a.