



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc., has assessed the Laboratory of:

***Aunde México
Manzana C Lote # 1, Santa Ana Xalmimilulco
Calle 2 y Av 5 Parque Industrial San Miguel
Huejotzingo, Puebla 74169 México***

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025: 2005

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO/IEC/JAF Communiqué dated January 2009):

***Testing for the Physical Properties of Color, Processability and Properties for Trilaminare and Bilaminare Tests and Fabric Testing for the Automotive Industry
(As detailed in the supplement)***

Such testing and/or calibration services shall only be offered at or from the address given above. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

The validity of this certificate is mandated through ongoing surveillance.

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
26555 Evergreen, Suite 1325
Southfield, Michigan 48076

Initial Accreditation Date:
August 20, 2003

Issue Date:
May 21, 2009

Revision Date:
May 26, 2010

Expiration Date:
May 16, 2014

Accreditation No.:
22286

Certificate No.:
L09-52-R1

Page No.:
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Certificate of Accreditation: Supplement

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Accreditation is granted to this facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical Testing	Automotive Fabrics	Yarn Count	ASTM D3775 / GMW4090	per/in
		Weight	ASTM D3776, GMW3182, SAE J860	g/m ²
		Thickness	ASTM D1777 / ISO 5084	mm
		Tensile Strength	ASTM D5034	N
		Elongation @ 25N, @ 50N, @100N	ASTM D5034	%
		Elongation @ Break	ASTM D5034	%
		Trapezoid Tear	ASTM D5587, ASTM D1117, GMW3326	N
		Trapezoid Tear after Xenon	ASTM D5587	N
		Tongue Tear	ASTM D2261	N
		Tongue Tear after Xenon	ASTM D2261	N
		Bond Strength as Received	ASTM D751 / GMW3220	N
		Bond Strength After Cycle Age	GM9200P	N
		Bond Strength After Hydrolytic Stability	GM9231P	N
		Bond Strength After Xenon	SAE J1885	N
		Taber Abrasion	ASTM D3884, GMW3208, SAE J948	Rating
		Mildew	GM9128P / GMW3259	Appearance
		Odor	SAE J1351 / GMW3205	Rating
		Raveling	GM9132P	Appearance
Dimensional Stability Shrinkage	SAE J883 / GMW14124	%		
Dimensional Stability Environmental	GM9452P, GM9505P	%		



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Mechanical Testing	Automotive Fabrics (Continued)	Flammability	GM9070P, ISO 3795, FMVSS 302, GMW3232, TSM0500G, TS420-0-2, MS-JP-9-4	mm/min
		Flammability After Steam	GM9070P, ISO 3795, FMVSS 302, GMW3232, TSM0500G, TS420-0-2	mm/min
		Procedure for Visual Evaluation of Interior and Exterior Automotive Trim	SAE J361	Appearance
		Flammability After Aging	GM9200P	mm/min
		Seam Strength	GM9129P	mm
		Lint Retention	GM9139P, GMW3347	Rating
		Hydrolytic Stability Laminates	GM9231P / GMW14124	Appearance
		Fogging	SAE J1756, 463DB-12-01, GMW3235	%
		Oil Repellency	AATCC 118	Rating
		Water Repellency	GM9317P / GMW4726	Rating
		Pliability	GM9664P, GMW3390	mm
		Dielectric Arcing	GM9144P	Appearance
		Dielectric Bond	GM9184P	Appearance
		Pilling	GM9652P / GMW4749	Rating
		Fiber Degradation	GM9771P / GMW3387	Rating
		Fabric pH Testing	AATCC 81	pH
		Laminate Curl Test	GM9330P	%
		Colorfastness to Light	SAE J1885, GMW3414	Rating
		Color Crock	AATCC 8 / SAE J861 ISO 105-X12	Rating
		Dye Stability	AATCC 107 / GMW14141	Rating
Water Spotting	GM9133P / LP463KC-03-01 / GMW14108	Appearance		
Cleaning Resistance	GM9900P	Rating		



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Mechanical Testing	Automotive Fabrics (Continued)	Test Method of Stretch and Set of Textiles and Plastics	SAE J855	%
		Seam Fatigue	GMW3405, FLTM BN-106-02	mm
		Soil, Cleaner Resistance (A, B)	GMW3402	Rating
		Seam Strength	463KB-13-01	N
		Resistance to Pilling	463KB-37-01	Appearance
		Minking	463KB-37-01	Appearance
		Lint Pickup and Loss	463KB-38-01, Method A and B	Rating / g
		Cleanability	463KC-04-01 / Procedure 1 and Procedure 2 general	Appearance
		Bond Strength	463LB-10-01	N/cm
		Resistance to Heat Aging	463LB-13-01	Appearance
		Resistance to Humidity Hot and Cold Cycling	463LB-12-01	Appearance
		Resistance to High Humidity	463PB-09-01	Appearance
		Resistance to Flexing	463LB-09-01	Appearance
		Odor	FLTM BO 131-01	Rating
		Retained Tensile	FLTM BN 117-03	%
		Seam Strength	FLTM BN 119-01	N
		Resistance to Pilling	FLTM BN 108-03	Appearance
		Water Shrinkage and Heat Shrinkage	FLTM BN 105-01	%
		Adhesion Strength	FLTM BN 151-05 Method A	N
		Seam Strength	GM9129P	mm
Bow Bias	463KB-14-01, ASTM D3882, GMW3023	mm		



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Mechanical Testing	Automotive Fabrics (Continued)	Back Coating Migration	463KC-03-01A, 463LB-12-01B	Appearance
		Resistance to High Humidity	ASTM D1735	Appearance
		Stain Repellency	463KB-37-03	Rating
		Stain Release	463KB-37-02	Rating
		Antimicrobial Odor	463KB-34-01	Appearance
		Resistance to Steaming	463KC-15-01	Appearance
		Resistance to Dye Transfer	463KC-01-01, Method B	Rating
		Visual Evaluation of Automotive Trim	GMW6992	Appearance
		Color Read through of Automotive Textiles	GMW4750	Appearance
		Yarn Slippage	GMW14146	N
		Ravel Resistance	GMW3217	Rating
		Tensile Strength and Elongation	GMW3010, Code A	N
		Trouser Tear	ISO 13937-2	N
		Martin Dale Method	ISO 12947 (Part I, II and IV)	Appearance and Rating
		Schopper Method	GMW3283	Appearance and g/m ²
		Resistance to Pet Hair	GMW14297	Appearance
		Air Permeability	ISO 9237	l/min
Interior Emissions	GMW8081	Rating		