



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Hayashi Telempu R & D NA
14328 Genoa Court, Plymouth, MI 48170

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

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Mechanical Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. 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:

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

June 5, 2018

Issue Date:

June 5, 2018

Expiration Date:

July 31, 2020

Accreditation No.:

94068

Certificate No.:

L18-251

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Hayashi Telempu R & D NA

14328 Genoa Court, Plymouth, MI 48170
 Contact Name: Ayana Ligon Phone: 734-456-5241

Accreditation is granted to the 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 ^F	Mass	Mass (gsm)	Toyota TSL3600G Sect 7.1	0 g to 2 100 g max	
	Thickness	Height of carpet	Toyota TSL3600G Sect 7.2	0 mm to 600 mm max	
	Dimensional Change/Thermostatic Chamber; Scale	Shrinkage and Expansion of carpet	Toyota TSL3600G Sect 7.6		
	Tensile Strength/Instron	N/25.4mm	Toyota TSL3600G Sect 7.3		0 N to 5 000 N
	Tear Strength/Instron	(N)	Toyota TSL3600G Sect 7.4		
	Peel Strength/Instron	(N/cm)	Toyota TSL5100G Sect 4.5		
	Rigidity	Rigidness	Toyota TSL3600G Sect 7.7		
	Tensile Strength after Heating/Thermostatic Chamber	Ductility of carpet for molding during mass production	Toyota TSL3600G Sect 7.8		
	Taber Abrasion/Taber Tester	Stringiness, Wear, and Fiber Loss	Toyota TSL3600G Sect 7.5.1 & 7.5.2	250 g to 1 000 g max	
	Flammability/Flammability Test Chamber	Burn rate (mm/time)	Toyota TSL3600G Sect 7.10; Toyota TSM0500G; HES 210C; FMVSS 302	N/A	
	Glass Fogging/Fog Tester	Amount of Fog collected	Toyota TSL3600G Sect 7.11; Toyota TSM0503G, Method B	HG60° 95.6 GU max LG60° 04.7 GU max	
	Smell/Chemical Standards	Odor of carpet	Toyota TSL3600G Sect 7.12; Toyota TSM0505G	Intensity: 0 to 4 Unpleasant/Pleasantness: -3 to 3	
	Haze/Haze Meter	Fog Transmission	HES 210C	N/A	
	Color & Gloss	Color Fastness to dry crocking/Crock Tester	Color Change/Spectro-Guide Color Reader	TSL601G (Sect 7, color difference meter evaluation only), DWG. No. 0094Z-T2A-A100	L*a*b, CIELab, Spectral Curve
			Gloss/Gloss Meter	TSM503G; HES 210 C, HES D6507	HG60° 95.6 GU max LG60° 04.7 GU max



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1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.

