

ISO/IEC 17025 Certified Third Party Test Report

DATE: November 19, 2015 **FILE:** NINMAT.A100115A

CLIENT: Ningbo Matthew Synthetic Leather Co Ltd **ATTN:** Matthew Wang
613 Jindu Int'l No. 345
South Huancheng Rd West
Ningbo China, 315012

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Per ASTM D3690 Specification
Product: ECO PU of DE90, 1.0 mm
Color Red

TEST PROCEDURES:

ADHESION OF COATING TO FABRIC (ASTM D751):

AS RECEIVED:

- PEEL IN WARP DIRECTION: 7.0 lbf. average
- PEEL IN FILLING DIRECTION: 7.6 lbf. average

AFTER 35 DAYS HYDROLYSIS:

- PEEL IN WARP DIRECTION: 8.9 lbf. average
- PEEL IN FILLING DIRECTION: 8.5 lbf. average

FLEX TESTING OF FINISH ON UPHOLSTERY LEATHER (ASTM D2097):

AFTER 15,000 CYCLES:

- AS RECEIVED: Length: Specimen 1 - No cracking.
Specimen 2 - No cracking.
Specimen 3 - No cracking.

Width: Specimen 1 - No cracking.
Specimen 2 - No cracking.
Specimen 3 - No cracking.
- AFTER 35 DAYS HYDROLYSIS: Length: Specimen 1 - No cracking.
Specimen 2 - No cracking.
Specimen 3 - No cracking.

Width: Specimen 1 - No cracking.
Specimen 2 - No cracking.
Specimen 3 - No cracking.

APPEARANCE AFTER 35 DAYS HYDROLYTIC EXPOSURE:

No observable change or delamination.

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CLIENT: NINGBO MATTHEW SYNTHETIC LEATHER CO LTD
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SAMPLE TEST DETAILS: FLEX TESTING OF FINISH, 15,000 CYCLES, LENGTH DIRECTION, AS RECEIVED



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SAMPLE TEST DETAILS:

FLEX TESTING OF FINISH, 15,000 CYCLES, WIDTH DIRECTION, AS RECEIVED



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SAMPLE TEST DETAILS:

FLEX TESTING OF FINISH, 15,000 CYCLES, LENGTH DIRECTION, AFTER 35 DAYS HYDROLYSIS



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SAMPLE TEST DETAILS:

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AMERICAN SOCIETY FOR TESTING
AND MATERIALS D4157 ABRASION
RESISTANCE OF TEXTILE FABRICS
OSCILLATORY CYLINDER METHOD -
COTTON SATEEN ABRADANT, PER
SECTION 6.11.3.2:

- AS RECEIVED:

VISUAL OBSERVATION				
SHADE CHANGE/WEAR SEE IMAGES BELOW			PRESENCE OF CRACK OR DELAMINATION SEE IMAGES BELOW	
# Of Double Rubs	Length Direction	Width Direction	Length Direction	Width Direction
3,000	Class 4.5	Class 4.5	No	No
9,000	Class 4.5	Class 4.5	No	No
15,000	Class 4.5	Class 4.5	No	No
22,500	Class 4.5	Class 4.5	No	No
25,000	Class 4.5	Class 4.5	No	No

RATING SYSTEM FOR

REGULAR SURFACE: Class 5, No or negligible wear
Class 4, Slight wear
Class 3, Moderate wear
Class 2, Noticeable wear (broken yarns, floating yarns, etc.)
Class 1, Severe wear (complete fabric break)

RATING SYSTEM FOR SPECIAL SURFACE

EFFECT: Class 5, No or negligible wear/change of special surface effect
Class 4, Slight wear/change of special surface effect
Class 3, Moderate wear/change of special surface effect
Class 2, Noticeable wear/change of special surface effect
(base yarns exposed)
Class 1, Severe wear/change of special surface effect
(base yarns exposed and broken)

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CLIENT:

NINGBO MATTHEW SYNTHETIC LEATHER CO LTD

SAMPLE TEST DETAILS:

WYZENBEEK ABRASION RESISTANCE,
COTTON SATEEN, 25,000 DOUBLE RUBS
LENGTH DIRECTION
AS RECEIVED

Quality Assurance & Compliance Testing
Utilizing Textile & Related Technologies

19 West 36 Street, Tenth Floor
New York, NY 10018
tel: 212 947 8391 fax: 212 947 8719
www.vartest.com



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25,000	Class 3.0	Class 3.0	No	No

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