



Test Report

No. NBSL1608038114TX

Date: Sep 05, 2016

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NINGBO MATTHEW SYNTHETIC LEATHER CO.,LTD
613 JINDU INTERNATIONAL, NO. 345, SOUTHERN SECTION, HUANCHENG RD, WEST, NINGBO,
P.R.CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : ECO LEATHER: PU/PE/leather in grey for furniture & upholstery
Style No. : FENIX
End Use : FURNITURE & UPHOLSTERY
Manufacturer : NINGBO MATTHEW SYNTHETIC LEATHER CO.,LTD
Country of Destination : Europe
United States

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Aug 30, 2016

Testing Period : Aug 31, 2016 - Sep 05, 2016

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. For further details, please refer to the following page(s).

Signed for and on behalf of SGS CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Campus Cao



Campus Cao (Account Executive)



SGS-CSTC Standards Technical Services Co., Ltd.
Ningbo Branch Testing Laboratory

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Test Result

Colour Fastness to Rubbing (ISO 105 X12:2016, size of rubbing finger 16mm dia.)

Dry staining	4-5
Wet staining	4-5

Remarks: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Colour Fastness To Light

(ISO 105-B02:2014; use Xenon arc lamp, exposure cycle A1, no flip-flop mode was used)

Comparison upto blue wool
reference 5
Grade (Bluewool Std)

5

Tensile Strength ***

(ISO 3376:2011;)

Length(N/mm ²)	12
Width(N/mm ²)	11
Elongation	
Length(%)	39.1
Width(%)	49.9

Tearing Strength ***

(ISO 3377-2:2002) Double Edge Tear

<u>Thickness of the sample</u> (mm)	1.24
<u>Tearing Load</u>	
Length (N)	90
Width (N)	89
Average (N)	90

Adhesion of finish ***(Ref.ISO 11644-2009)

Sample: Grey material
Test speed: 100mm/min
Conditioning: Dry

Test result:

Along (N/cm):	18.9
Across (N/cm):	16.9



Bally Flexing Resistance * (ISO 5402-1:2011)**

Test Speed:
(100±5) cpm

Test condition:

Dry After 50,000 cycles

Type of Damage

1

Remark:

Type of Damage:

- | | | | |
|---|------------------|----|-----------------|
| 1 | No cracking | 7 | Marked creasing |
| 2 | Slight cracking | 8 | Severe creasing |
| 3 | Marked cracking | 9 | Slight piping |
| 4 | Severe cracking | 10 | Marked piping |
| 5 | Complete failure | 11 | Severe piping |
| 6 | Slight creasing | | |

***** This test was carried out by SGS S.H. Textile Laboratory.**

*** End of Report ***

