

XM TEXTILES
ROOM 2201, NO.18, SHUNYI ROAD, PUTUO DISTRICT, SHANGHAI

THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO.SHSL1211270889/TX DATE:DEC
12, 2012 ISSUED BY SGS (SHANGHAI)

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

Sample Description : Reflective tape: 100%cotton FR in orange-silver(XM-6012, Ibiza (5x2cm))

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

Sample Receiving Date : Nov 22, 2012

Testing Period : Nov 22, 2012 TO Dec 12, 2012

Test Result(s) : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Ltd.



Tina Xi
Account Executive

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Test Result

High-visibility warning clothing for professional use – Test methods and requirements
(EN 471:2003+A1:2007)

Retroreflection of Separate Performance Retroreflective Materials

7.4.1 Retroreflection after Abrasion

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	388	100	Pass

7.4.2 Retroreflection after Flexing

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	354	100	Pass

7.4.3 Retroreflection after Folding at cold temperatures

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	309	100	Pass

7.4.4 Retroreflection after Temperature Variation

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	309	100	Pass

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Retroreflection of Separate Performance Retroreflective Materials

7.4.5.2 Retroreflection after Washing

After 5 wash

Washing procedure in accordance with ISO 6330:2000+A1:2009, method 2A, dried at (50±5)°C

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	261	100	Pass

After 10 wash

Washing procedure in accordance with ISO 6330:2000+A1:2009, method 2A, dried at (50±5)°C

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	233	100	Pass

After 20 wash

Washing procedure in accordance with ISO 6330:2000+A1:2009, method 2A, dried at (50±5)°C

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	229	100	Pass

After 25 wash

Washing procedure in accordance with ISO 6330:2000+A1:2009, method 2A, dried at (50±5)°C

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value</u> (cd/(lx.m ²))	<u>Minimum Requirement</u> (cd/(lx.m ²))	<u>Result</u>
5°	12'	204	100	Pass

This test was carried out by SGS HK textile lab.

*** End of Report ***

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