

XM TEXTILES

ROOM 2403, ZHONGYI INTERNATIONAL BUSINESS BUILDING NO.1833, NORTH ZHONGSHAN ROAD,
PUTUO DISTRICT, SHANGHAI

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

Sample Description : Reflective tape: 65%polyester 35%cotton in silver (R500 super 6005B)
Test Performed : Selected test(s) as requested by applicant
* * * * *
Sample Receiving Date : Jun 23, 2014
Testing Period : Jun 23, 2014 TO Jul 04, 2014
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

ISO 20471 Retroreflective Material

**High-visibility clothing – Test methods and requirements
(ISO 20471:2013)**

Sections 6.1 and 7.3 Retroreflection for New Separate Performance Retroreflective Material

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value (cd/(lx.m²))</u>	<u>Minimum Requirement (cd/(lx.m²))</u>	<u>Result</u>
5°	12'	523	330	Pass
	20'	388	250	Pass
	1°	29.7	25	Pass
	1°30'	24.3	10	Pass
20°	12'	483	290	Pass
	20'	370	200	Pass
	1°	29.0	15	Pass
	1°30'	20.5	7	Pass
30°	12'	415	180	Pass
	20'	326	170	Pass
	1°	32.1	12	Pass
	1°30'	18.6	5	Pass
40°	12'	335	65	Pass
	20'	244	60	Pass
	1°	31.3	10	Pass
	1°30'	17.4	4	Pass



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High-visibility clothing – Test methods and requirements (ISO 20471:2013)

Retroreflection of Separate Performance Retroreflective Materials

7.5 Retroreflection after Washing

After 50 wash

Washing procedure in accordance with ISO 6330:202 Procedure No. 9N; Using horizontal axis, front-loading type machine: Machine wash at 90 degree C with 2kg total dry mass(type III(100% polyester) ballast + specimen) and 'ECE' detergent + sodium perborate + TAED), tumble dry less than 80 degree C.

<u>Entrance Angle</u>	<u>Observation Angle</u>	<u>Measured value (cd/(lx.m²))</u>	<u>Minimum Requirement (cd/(lx.m²))</u>	<u>Result</u>
5°	12'	150	100	Pass

This test was carried out by SGS HK textile lab.



*** End of Report ***



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