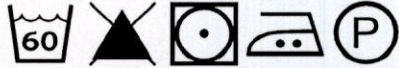




65% RECYCLED POLYESTER / 35% RECYCLED COTTON
245GSM / 7.23oz TWILL 3/1 WR*



Fabric name	Eco-245
Fabric weight	245gsm ±3%
Composition	65% recycled polyester/ 35% recycled cotton
Full width	150cm
Weave	twill 3/1
Finishes	WR
Area of use	construction and transport sectors work wear
Washing instruction	

Physical properties

			warp	weft	
1	Tensile strength, N	ISO 13934-1:2013	1600	450	
2	Tearing strength, N	ISO 13937-3:2000	50	23	
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%	
4	Abrasion Resistance	ISO 12947-2:2002	> 30 000		
5	Pilling Resistance	ISO 12945-2:2000	3-4		
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010			
			Colour change	4	
			Colour staining	3	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013			
			Colour change	4	
			Colour staining	4	
8	Colour Fastness To Rubbing, min.	ISO 105-X12:2001			
			Dry	3-4	
			Wet	2-3	
9	Colour Fastness To Light	ISO 105-B02:2013			



XM Textiles Europe

Darius ir Gireno st. 42A,
Office 510, Vilnius LT – 02189
Lithuania

Tel: +370 (347) 20299
Email: info@xmtextiles.com
www.xmtextiles.com

CERTIFICATE

The company

SHANGHAI XM GROUP LTD.
Room 2402-2403 Zhongyi International Commercial Plaza 1833
Zhongshan North Road
Shanghai 200061
China

is granted authorisation according to STANDARD 100 by
OEKO-TEX® to use the STANDARD 100 by OEKO-TEX®
mark, based on our test report **BJ015 187768.1**



for the following articles:

Woven fabrics made of 100%CO, PES/CO, CO/CF (with anti-static function), CO/PA, PES/CO/CF (with anti-static function), piece-dyed and finished (incl. oil- and water- repellent finishing), or finished with flame retardant products accepted by OEKO-TEX®; woven fabric made of 100%PES, 100%PA, PES/EL, white, piece-dyed (disperse and acid) and finished, or woven fabric made of 100%PES, transfer printed (disperse) and finished, all with PAN coating; undyed, piece-dyed and dope-dyed (PES incl. fluorescent colours) knitted fabrics incl. fleece made of 100%PES, PES/CO, PES/CV, 100%MAC, MAC/CO, MAC/CV, MAC/CO/PES, 100%PP, PP/PES, with or without spandex(EL) and with or without antistatic; dyed woven/knitted bonded fabric made of PES, PES/EL with or without PU, TPU, PTFE membrane laminated (based on materials pre-certified according to STANDARD 100 by OEKO-TEX®)

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Annex 4, product class II have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Annex 4 for products with direct contact to skin.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.), the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass) and of the Chinese standard GB 18401:2010 (labelling requirements were not verified).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

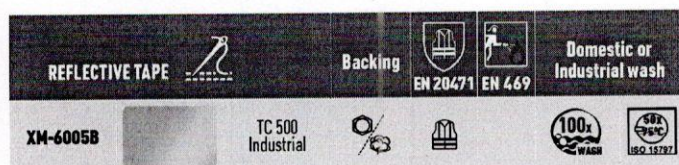
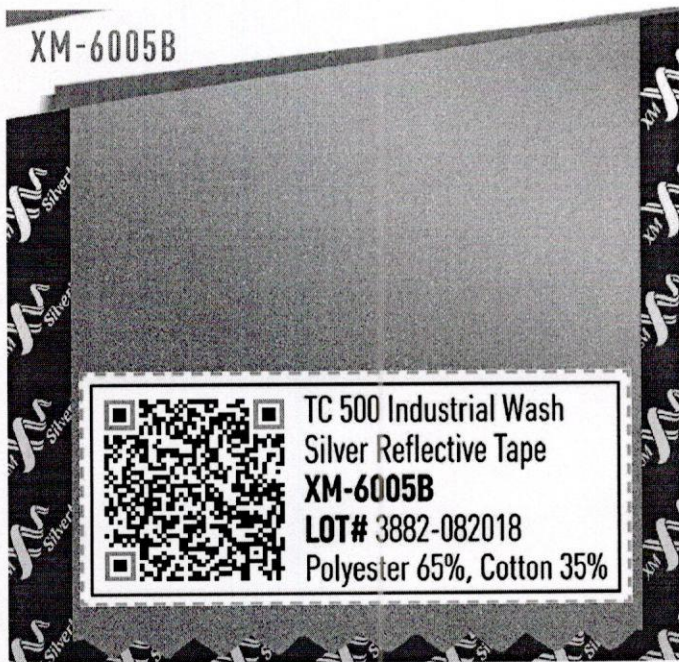
The certificate BEWO 084394 is valid until 15.08.2022

Zurich, 12.07.2021

Matz Bachmann
Managing Director

Carole Sägesser
Ecology Team Leader





Description

Reflective tape XM-6005B resists Industrial wash, it is made with Poly-Cotton backing for better durability and best suited for Heavy-duty EN 20471 workwear. High retro-reflection is guaranteed even after 50x Industrial wash cycles (or 100x Domestic). High-grade micro-beads (R500-600) provides extra visibility of road workers. Available in 25mm, 50mm or custom width.

Product Construction

This Reflective Material is a Textile Fabric coated with a layer of resin with numerous glass micro-lenses impregnated with a special glue into this layer. The light reflects from these micro-lenses and comes back to a car (or other source of light) making the person wearing reflective tape more visual in the dark.

Product Detailed Information

Material	65% Polyester, 35% Cotton
Finish	-
Colour	Silver
Reflectivity, R	500 cd/m ²
Industrial wash	Allowed
Roll, Width	50 mm
Roll, Length	100 meters
Roll, Weight	1.6 kgs

Care Instructions

	Wash	Machine Wash Hot, 60°C
	Bleach	Do not bleach
	Dry	Tumble Dry Low
	Dry-clean	Dry clean, PCE (Petroleum Solvent) only
	Iron	Iron at low temperature, 110°C

Important Notice

Type of work environment, exposure conditions and maintenance have an impact on reflective performance. Please test each tape according to appropriate care instructions required for the garment.

High-visibility clothing made with reflective material should be maintained in good condition and inspected regularly for damage or deterioration.

Product Certifications

EN 20471	50x75°C ISO 15797
EN 469	-
NFPA 2112	-
NFPA 1971	-
OEKO-TEX 100	Class 2
Certificate of Test	Aitex (Spain)

Method of Application

Please contact us for instructions or check our web-site.

Shelf Life

Keep in cool dry place, with no direct sunlight. Use the product during 12 months from the date of purchase.



SilverLine
REFLECTIVE TAPE

XM Textiles Europe

Darius ir Gireno st. 42A,
Vilnius, Lithuania, LT-02189
☎ +370 (5) 207 8703
✉ info@xmtextiles.com
🌐 www.xmsilverline.com

XM Textiles Asia

88 Guangxin road, office 2403
Shanghai, China, ZIP 200061
☎ +86 (21) 5240-1156
✉ info@xmtextiles.com
🌐 www.xmsilverline.com

CERTIFICATE

The company

SHANGHAI XM GROUP LTD.
Room 2402-2403 Zhongyi International Commercial Plaza 1833
Zhongshan North Road
Shanghai 200061
China

is granted authorisation according to STANDARD 100 by
OEKO-TEX® to use the STANDARD 100 by OEKO-TEX®
mark, based on our test report **BJ015 182512.1**

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

BJ015 127333 TESTEX

Tested for harmful substances
www.oeko-tex.com/standard100



for the following articles:

Reflective materials/tapes using 100% cotton or 100% aramid fabric with reflective coating in silver, hi-vis yellow or both, as well as reflective fabric in silver gray/grey with white base fabric made of 100% polyester or polyester/cotton (partly produced with products accepted by OEKO-TEX® having flame retardant properties); reflective heat transfer PE film in silver gray/grey (based on materials pre-certified according to STANDARD 100 by OEKO-TEX®)

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Annex 4, **product class II** have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Annex 4 for products with direct contact to skin.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.), the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass) and of the Chinese standard GB 18401:2010 (labelling requirements were not verified).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

The certificate BJ015 127333 is valid until 31.03.2022

Zurich, 11.03.2021

Matz Bachmann
Managing Director

Faisal Rizal
Ecology Team Leader



Test Report No.: 0154097195a 001

Page 1 of 5

Client: SHANGHAI XM GROUP LTD

Office 2403~2403, 24th Floor, Zhongyi International Commercial Plaza, 1833
Zhongshan North Road, Shanghai, China

Contact Person: Anna He

Sample Description As Declared :

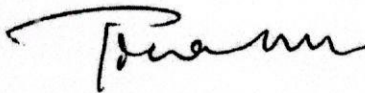
No. Of Sample : One (1)
Sample Description : Econom-245 TC 65/35 245gsm twill 3/1, Navy

Sample Receiving date: 2015-04-28

Delivery condition: Apparent good, Samples tested as received

Test Period: 2015-04-28 to 2015-05-04

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2015-05-04

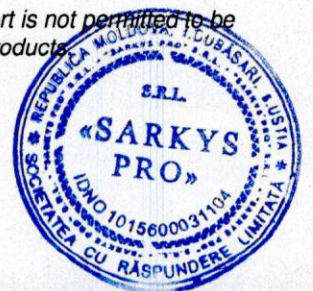
Tina Wu / Department Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.



Test Report No.: 0154097195a 001

Page 2 of 5

Conclusion

Banned Azo Dyes (1907/2006/EC)

M001
P

Note : P = Pass
= No Comment
N/A = Not Applicable

F = Fail
- = Did Not Perform
* = See Remark

Material list

Material No.	Material	Color	Location
M001	Textile	Navy	Woven fabric



1. Banned Azo Dyes (1907/2006/EC)
Test Method: EN 14362-1:2012

Test Result:

Test No.	Material No.	Method	Unit	RL	Test Result	Conclusion
1	M001	EN 14362-1	mg/kg	5	n.d.	Pass

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remarks:

- * The CAS-number 97-56-3 (A5) and 99-55-8 (A6) are further reduced to CAS-number 95-53-4 (A18) and 95-80-7 (A19).
- ** Azo colorants that are able to form CAS-number 60-09-03 (A22), generate under the condition of this method CAS-number 62-53-3 (A25) and 106-50-3 (A26).
- *** Azo colorants that are able to form 4-aminoazobenzene (A22), is confirmed by EN 14362- 3:2012/ ISO 17234-2:2011.
- **** Azo colorants are detected & quantified by GC/MS and confirmed by LC/MS.
- ^ Additional azo colorants were tested according to customer's requirement.

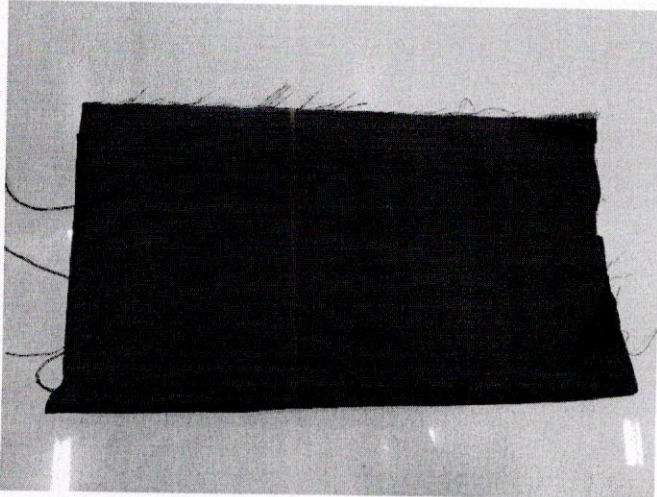


List of azo colorants being tested:

ID	Azo colorant	CAS No.	ID	Azo colorant	CAS No.
A1	biphenyl-4-ylamine / 4-aminobiphenyl / xenylamine	92-67-1	A14	p-cresidine	120-71-8
A2	benzidine	92-87-5	A15	4,4'-methylene-bis-(2-chloro-aniline) / 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4
A3	4-chloro-o-toluidine	95-69-2	A16	4,4'-oxydianiline	101-80-4
A4	2-naphthylamine	91-59-8	A17	4,4'-thiodianiline	139-65-1
A5*	o-aminoazotoluene / 4-amino-2',3'-dimethylazobenzene / 4-o-tolylazo-o-toluidine	97-56-3	A18	o-toluidine / 2-aminotoluene	95-53-4
A6*	5-nitro-o-toluidine	99-55-8	A19	4-methyl-m-phenylenediamine	95-80-7
A7	4-chloroaniline	106-47-8	A20	2,4,5-trimethylaniline	137-17-7
A8	4-methoxy-m-phenylenediamine	615-05-4	A21	o-anisidine / 2-methoxyaniline	90-04-0
A9	4,4'-methylenedianiline / 4,4'-diaminodiphenylmethane	101-77-9	A22**	4-aminoazobenzene	60-09-3
A10	3,3'-dichlorobenzidine / 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	A23^	2,4-xylidine	95-68-1
A11	3,3'-dimethoxybenzidine	119-90-4	A24^	2,6-xylidine	87-62-7
A12	3,3'-dimethylbenzidine / 4,4'-bi-o-toluidine	119-93-7	A25^	Aniline	62-53-3
A13	4,4'-methylenedi-o-toluidine	838-88-0	A26^	4-aminoaniline	106-50-3



Sample Photo:



- END -

