

CERTIFICATE OF TEST

Certificate of test n°

22CN6422

AITEX declares that the articles:

Given by the company:

"FABRIC REF.- TFA099"

According information supplied by the customer:
Composition and percentage: 100% Polyester high elastic
oxford (Recycled)
Colour: HV-yellow/HV-
orange/HVRed/Navy/Green/Orange/Black

KUNSHAN SUNSHINETEX NEW MATERIAL Co. Ltd.
No. 417 Sanxiang Road
CN-215300 Kunshan
JIANGSU

Complies with the requirements of the standard/s:

EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016. High visibility clothing. Test methods and requirements

	TEST	RESULTS	REQUIREMENTS	REPORT No.
Clause 5.1	Yellow HV fabric Determination of chromaticity coordinates - As received	x = 0,3830 y = 0,5480 $\beta_{min} = 1,0200$	x:0,3870 y:0,6100 x:0,3560 y:0,4940 x:0,3980 y:0,4520 x:0,4600 y:0,5400 $\beta_{min}: 0,7000$	2022CN6422
	Yellow HV fabric Determination of chromaticity coordinates - After 5 washing cycles	x = 0,3820 y = 0,5490 $\beta_{min} = 1,0400$		
Clause 5.2	Yellow HV fabric Determination of chromaticity coordinates - After Xenon test exposure	x = 0,3780 y = 0,5380 $\beta_{min} = 1,0000$		
Clause 5.1	Orange HV fabric Determination of chromaticity coordinates - As received	x = 0,6080 y = 0,3550 $\beta_{min} = 0,4400$	x:0,6100 y:0,3900 x:0,5350 y:0,3750 x:0,5700 y:0,3400 x:0,6550 y:0,3450 $\beta_{min}: 0,4000$	2022CN6422
	Orange HV fabric Determination of chromaticity coordinates - After 5 washing cycles	x = 0,6090 y = 0,3550 $\beta_{min} = 0,4400$		
Clause 5.2	Orange HV fabric Determination of chromaticity coordinates - After Xenon test exposure	x = 0,5650 y = 0,3640 $\beta_{min} = 0,4900$		
Clause 5.1	Red HV fabric Determination of chromaticity coordinates - As received	x = 0,6080 y = 0,3260 $\beta_{min} = 0,3300$	x:0,6550 y:0,3450 x:0,5700 y:0,3400 x:0,5950 y:0,3150 x:0,6900 y:0,3100 $\beta_{min}: 0,2500$	2022CN6422
	Red HV fabric Determination of chromaticity coordinates - After 5 washing cycles	x = 0,6100 y = 0,3260 $\beta_{min} = 0,3400$		
Clause 5.2	Red HV fabric Determination of chromaticity coordinates - After Xenon test exposure	x = 0,5620 y = 0,3540 $\beta_{min} = 0,4500$	x:0,6100 y:0,3900 x:0,5350 y:0,3750 x:0,5700 y:0,3400 x:0,6550 y:0,3450 $\beta_{min}: 0,4000$	2022CN6422

Remark: Washing instructions according to Standard EN ISO 6330:2012, method 4N and F drying (type A1 drum dryer).

The test results above indicated are shown in the testing report:

2022CN6422

Signed by: Raquel Muñoz González
Manager Innovation Area

Issued by AITEX on: 28/11/2022.

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	TEST	RESULTS	REQUIREMENTS	REPORT No.
Clause 5.3.1	Yellow HV fabric Colour fastness to rubbing	Dry staining = 5	Dry staining ≥ 4	2022CN6422
Clause 5.3.1	Orange HV fabric Colour fastness to rubbing	Dry staining = 4-5		
Clause 5.3.1	Red HV fabric Colour fastness to rubbing	Dry staining = 4-5		
Clause 5.3.1	Navy fabric Colour fastness to rubbing	Dry staining = 4-5		
Clause 5.3.1	Green fabric Colour fastness to rubbing	Dry staining = 5		
Clause 5.3.1	Orange fabric Colour fastness to rubbing	Dry staining = 5		
Clause 5.3.1	Black fabric Colour fastness to rubbing	Dry staining = 4-5		
Clause 5.3.2	Yellow HV fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5	Change in colour ≥ 4 Staining ≥ 4	2022CN6422
Clause 5.3.2	Orange HV fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5		
Clause 5.3.2	Red HV fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5		
Clause 5.3.2	Navy fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5		
Clause 5.3.2	Green fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5		
Clause 5.3.2	Orange fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5		
Clause 5.3.2	Black fabric Colour fastness to perspiration	Change in colour = 5 Staining = 4-5		

Remark: Washing instructions according to Standard EN ISO 6330:2012, method 4N and F drying (type A1 drum dryer).

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TEST		RESULTS		REQUIREMENTS	REPORT No.
Clause 5.3.3	Yellow HV fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5		Change in colour ≥ 4-5 Staining ≥ 4	2022CN6422
	Orange HV fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5			
	Red HV fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5			
	Navy fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5			
	Green fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5			
	Orange fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5			
	Black fabric Colour fastness to washing Test A1M at 40°C	Change in colour = 5 Staining = 4-5			
Clause 5.4	Dimensional stability after 5 washing cycles	Warp: -2,0%	Weft: -2,0%	≤ ±3%	2022CN6422
Clause 5.5.3	Tensile resistance	Warp: 1505 N	Weft: 1286 N	≥ 100 N	2022CN6422
Clause 5.5.3	Tear resistance	Warp: 110 N	Weft: 114 N	≥ 20 N	2022CN6422

Remark: Washing instructions according to Standard EN ISO 6330:2012, method 4N and F drying (type A1 drum dryer).

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