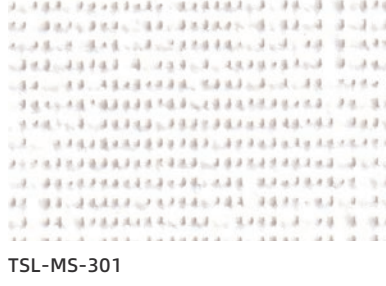
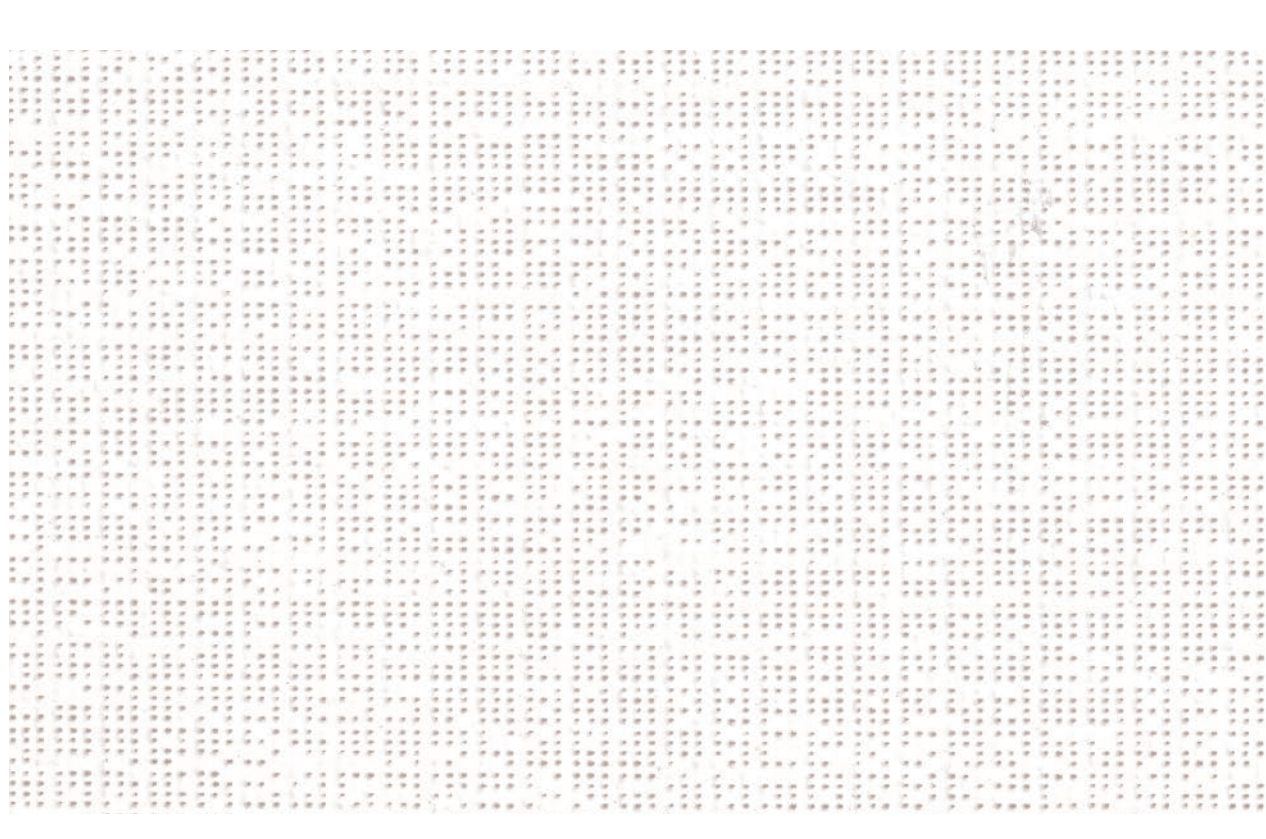


YUMA TESLA

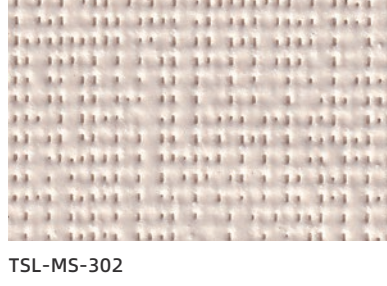
More Lighter, More Stronger and All-weather Sunshading fabric

TSL-MS

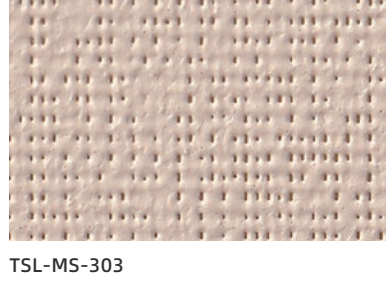
Openness Factor 3%



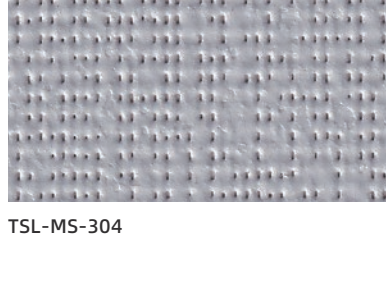
TSL-MS-301



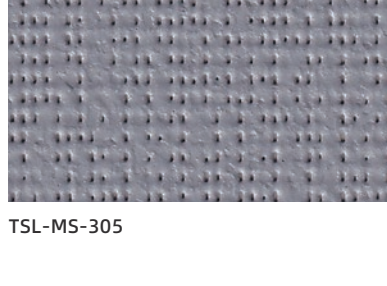
TSL-MS-302



TSL-MS-303



TSL-MS-304



TSL-MS-305



TSL-MS-309

More Lighter

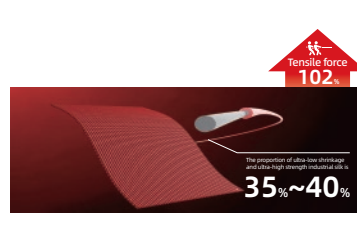
The fabric is woven from high-strength polyester fiber and then coated with a complete high-performance composite material. The overall surface of the fabric is completely protected at one time, and the surface is smooth and flat. Compared with the sunscreen fabric on the market, with the same tensile strength, the weight is reduced by 30%.



More Stronger

① Compared with the existing sunscren fabrics in the market, the tensile force is increased by 102%.

The proportion of ultra-low shrinkage and ultra-high strength industrial silk is 35% - 40%, and the tensile strength is increased by 102% compared with the same weight of sunscren fabric.



② Super dimensional stability: unique **Strain Balance** constant tension + prestress proprietary balance technology.

③ Five prevention function.

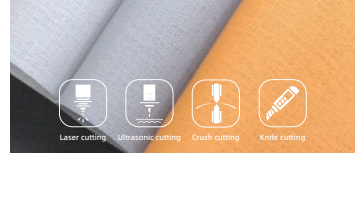
Water resistance: The high-performance composite material coating is applied on the high-strength polyester fiber as a whole, which is waterproof and will not absorb water, and there is no possibility of mildew and bacteria breeding.

Fire resistance: German standard B1, GB/T17591, American standard NFPA701, European standard EN 13773, EN13501, Canadian fire protection and other certificates are complete, meeting fire safety requirements.

High colour fastness: Pass the ISO 105-B04 artificial weather color fastness test to ensure that the fabric will not fade for 8-10 years.

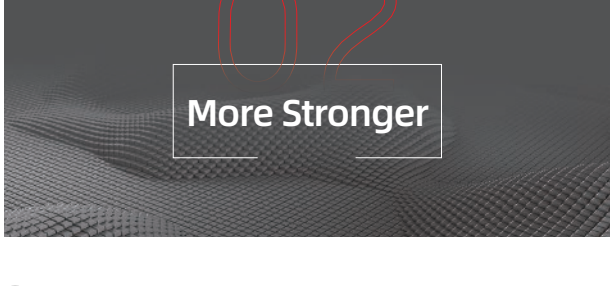
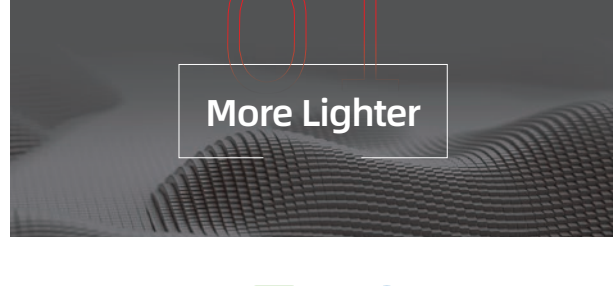
Mildew proof: European standard all-weather color fastness, no fading. The full range of products passed ASTM G21, grade 0 mildew resistance 28 days no growth test.

Free of formaldehyde: Listed companies purchase PVC, additives and other raw materials that are healthy and environmentally friendly, and do not contain formaldehyde.



④ Super strong edge sealing ability.

⑤ Environmental friendly.



• Technical properties

Width	200 (customized) / 250/300cm	DIN EN ISO 2286-1
Thickness (±0.02mm)	0.32mm	DIN EN ISO 2286-3
Total Weight	290g/m ²	DIN EN ISO 2286-2
Roll length	30m/roll	-

• Physical properties

Tensile strength	Warp 1500N/5CM Weft 1600N/5CM	EN ISO 1421
Tear strength	Warp 110N/5CM Weft 120N/5CM	DIN 53363

• Flame retardancy

Flame retardancy	B1	DIN 4102
	NFPA 701	NFPA 701: 2015
	B1	GB/T17591
	B-s1,d0	EN13501-1

• Solar optical values

Color fastness	8 Grade	EN ISO 105-B02
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• Eco friendly

Heavy metal test (Cd/Pb/Hg)	None	GB/T 16215-2011
Odor test	None	GB 18401-2010.6.7
PH test	Pass	GB/T 5753-2009
Formaldehyde content test	None	GB/T 2912.1-2009
Mouldproof test	0 (Highest)	ASTM G 21-15 (2021)

• Certifications, labels, guarantees

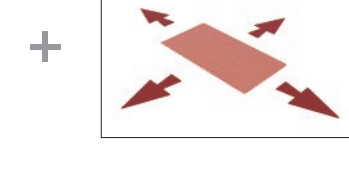
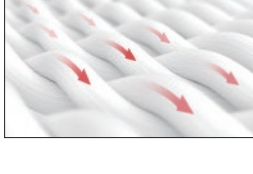
China Environmental Labelling	Pass	-
BSCI	Pass	-
BSCI certification	ISO 9001 / ISO 14001 / ISO 45001	DIN EN

The technical data above are averaged values with a +/-5% tolerance. Values quoted in this document are commonly used test results for design purposes. They are given for information only in order to offer our customers optimum usage of our products. Our products are subject to improvements resulting from technical developments and we reserve the right to modify their characteristics at any time. The purchaser of our products is responsible for checking the above data. The colours and textures presented are included for information only.

Strain Balance

Constant tension

Measured by two tension detectors - the actual tension is compared with the artificially required tension, the tension controller will set the corresponding reduction or increase of the output proportion of the tension, so that the actual tension and the required tension maintain a dynamic balance to achieve constant tension. To achieve the fabric is flat state when it is sold from the factory.



Prestress

In the process of coating, two-way tension is always applied to the warp and weftward of the material, so the fabric does not have any deformation, creep, fold, depression even under the force, and has the characteristics of maintaining permanent stability of the size, especially suitable for the use of large size. Even in the later period under the condition of violent heat, the fiber always maintains a tensioned state and does not deform.

Super dimensional stability: unique **Strain Balance** constant tension + prestress proprietary balance technology.

OPENNESS FACTOR 3%

COLOR CODING	Thermal factors	Optical factors		
		RS	TS	AS
TSL-MS-301	68.06	26.22	5.72	22.17
TSL-MS-302	53.33	19.38	27.29	13.58
TSL-MS-303	50.68	15.16	34.16	9.39
TSL-MS-304	39.04	11	49.96	6.52
TSL-MS-305	25.85	7.29	66.86	4.22
TSL-MS-309	6.81	4.25	88.94	4.19

Ts: Solar energy Transmission

The proportion of solar energy transmitted through the fabric. A low percentage means that the fabric performs well in reducing solar energy.

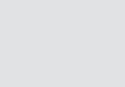
Rs: Solar Reflectivity

The proportion of solar radiation reflected by the fabric. A high percentage means that the fabric performs well in reflecting solar energy.

As: Solar Absorbance

The rate at which the fabric absorbs the sun. Solar radiation is always partially passed through, absorbed or reflected by the fabric, and the sum of the three equals 100.

Ts + Rs + As = 100% Solar radiation energy.



Dimensional stability



Easy to clean



UV resistant