



Customization is also possible

PVC membrane structure tensile fabric is a high-performance architectural material with excellent tensile strength, weather resistance, and flexibility.

Made from premium PVC coatings combined with high-strength base fabrics, it features waterproofing, UV resistance, mold resistance, and high-temperature tolerance, making it suitable for various complex environments. Its smooth surface is easy to clean, ensuring a long lifespan and effectively reducing maintenance costs.

The tensile properties of this material allow it to withstand the tension of large-span structures, making it ideal for roofing applications in stadiums, exhibition centers, commercial plazas, transportation hubs, and other large-scale buildings.

PVC membrane structure tensile fabric integrates modern architectural aesthetics with lightweight design. It offers excellent light transmission properties, creating comfortable spaces with natural lighting while reducing energy consumption.

Wight ▶ 950gsm ▶ 1050gsm ▶ 1250gsm ▶ 1350gsm ▶ 2000gsm

With its design flexibility and functional advantages, PVC membrane structure tensile fabric is widely used in urban landscape projects and specialized structural engineering, making it an essential material in the construction industry.

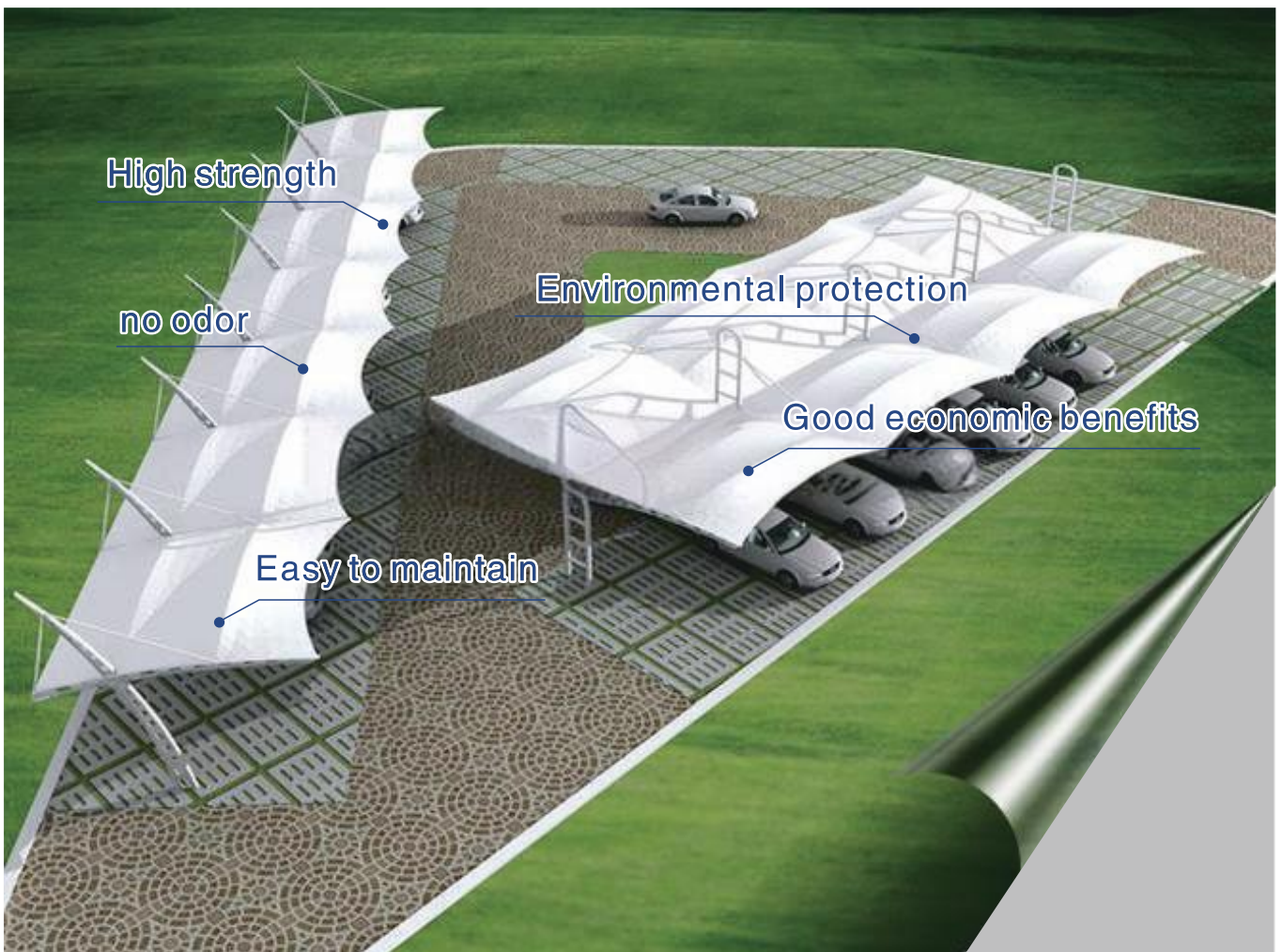
Compared with the traditional cement red brick construction, PVC tarp for pool liner has unparalleled flexibility, it's a structural composition, easy to install and remove, after a period of use, you can change your favorite color arbitrarily. This material has high strength, environmental protection, no taste, easy to maintain, with good economic benefits, you can also choose TPU material to help you build the fantastic courtyard swimming pool. TPU Materials are also popular .

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Professional sales team, over 15years experience in producing PVC membrane structure tensile fabric, Over 10years OEM&ODM finished product experience, we are a factory produces pvc tarpulin in Haining, The greatest feature of ourPVC membrane structure tensile fabric is stable and durable quality.





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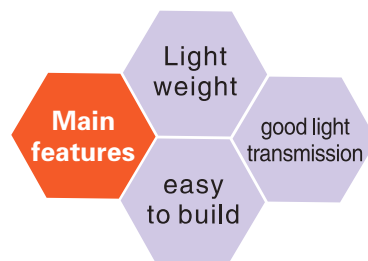
PVC membrane structure tensioned fabric is divided into the following types based on weight per square meter (gsm):

You can get the reasonable price with best quality here.

Factory wholesale

900-1050gsm Main Applications

- 1 Carport, hotel
- 2 garden landscaping
- 3 sliding canopy
- 4 sports stadium
- 5 temporary cover
- 6 restaurant
- 7 small commercial shade canopy



Applicable to

structures with low bearing capacity and environmental conditions



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PVC membrane structure tensile fabric

PVC membrane structure tensioned fabric is divided into the following types based on weight per square meter (gsm):

1050-1350gsm Main Applications



Main features

Good wind resistance and waterproof performance

Suitable for medium strength structural applications

Durable and transparent

Wight: 1050gsm 1150gsm 1250gsm 1350gsm 1500gsm

Main Applications: Large buildings, facades of shopping malls, sports arenas, pool covers, airport waiting halls, large warehouses, large breeding sheds. Main features include high strength, extreme durability, excellent tensile performance, suitable for complex large-span structures and long-term use. Among them, the 1050gsm weight is our stock item, mainly in white, and can be customized in color according to customer requirements.

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Factory wholesale



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Main Application Scenario Analysis



Parking Sheds

Provide shade and protection facilities for private cars, buses, or trucks.

900gsm PVC membrane material is the most common, with excellent UV resistance, significant rain and dust prevention effects, ensuring vehicles are protected from environmental damage. Custom shapes can be designed according to the site, combining aesthetics with practicality.



Stations

Provide shade and shelter for waiting areas at bus stations, train stations, and subway stations, mainly using.

1050–1350gsm PVC membrane materials to ensure long-term durability and tensile strength. It can achieve a certain light transmission effect, providing natural lighting while protecting passengers from direct sunlight. It is also easy to install and maintain, suitable for densely populated areas.



Large Buildings

Applied in airport terminals, large convention centers, cultural and art museums, etc., PVC membrane materials of **1050–1500gsm** are used to meet the needs of large-span structural design, with superior wind and snow resistance, capable of adapting to harsh climatic conditions, strong plasticity, long-term use, which can last for more than 30 years, suitable for creating modern iconic buildings.



Main Application Scenario Analysis



Landscape Facilities

Mainly used in gardens, squares, various commercial open-air stages for shade canopies or landscape decoration.

900gsm PVC membrane materials are usually used, easy to design into complex shapes. This material has good light transmission, providing soft natural light, creating a comfortable environment. Diverse colors can enhance the aesthetic appeal of the landscape.



Commercial Use

Applied at the entrances of shopping malls, outdoor exhibition stands, pedestrian street shade canopies, hotels, specialty catering, conferences, etc.,

1050gsm PVC membrane material is commonly used for such scenes. It emphasizes both decorative and functional features, and can be designed as eye-catching brand display structures. with superior resistance to pollution, easy to clean, maintaining the cleanliness and beauty of commercial areas.



Sports Venues

Used for the roofs or shade facilities of sports arenas, sports fields, tennis courts, swimming pools, etc.,

PVC membrane materials of 1050gsm and above are the preferred choice, providing sufficient strength and durability. The flexibility and lightness of the membrane material are suitable for large-span space coverage requirements, with excellent waterproof and UV resistance, providing a comfortable environment for athletes and spectators.





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Main Application Scenario Analysis



Sliding Canopies

Also called Push pull canopy which used for warehouses, logistics, outdoor activities, schools, commerce, etc., as shade and rain protection facilities

550–950gsm PVC membrane materials are commonly used for such scenes. Flexible sliding design, convenient for quick opening and closing, can achieve efficient use of space, which is aesthetically pleasing, and easy to clean and maintain.





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Production specification recommendation

Properties	Units	Test method	1350gsm	900gsm	1050gsm	1100gsm	1250gsm
			Average value	Average value	Average value	Average value	Average value
Base Thread Density	Denier	DIN53350	1500D*1500D	1000D*1000D	1300D*1300D	1300D*1300D	1500D*1500D
Base Fabric Density	Thread/inch	DIN53351	30*30 Panama	30*30 Panama	30*30 Panama	30*30 Panama	30*30 Panama
Finished Fabric Weight	Gram/m ²	DIN53352	1350	900	1050	1100	1250
Base Fabric Weight	Gram/m ²	DIN53352	380	265	320	320	380
Thickness – finished product	um	DIN53352	106	75	85	88	100
Break Strength Warp	N/5cm	GB/T1040	7000	4200	5200	5500	7000
Break Strength Weft	N/5cm	GB/T1040	6800	4000	5000	5000	6800
Tear Strength Warp	N/5cm	DIN 53363	1000	600	700	700	1000
Tear Strength Weft	N/5cm	DIN 53363	900	550	700	700	900
Adhesion	N/5cm	DIN 53357	120	120	120	120	120
Temperature range	-30~+70°C	Anti-Wicking	A Grade	-40~+70°C	-30~+70°C	-30~+70°C	-30~+70°C
Flame retardancy	B1	Self-extinguishing	PVDF(unweldable)/PVDF(weldable)	ACRYLIC	upsdie-lacquring	TRIPLE LACQURING	

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