

PVC geomembrane

is polyvinyl chloride waterproof sheet. It is a kind of superior quality, high polymer waterproof sheet. By adding plasticizer, anti ultraviolet agent, anti aging agent, stabilizer and other processing aids into PVC resin, through extrusion method to produce molding high polymer waterproof coiled material.



Composite PVC geomembrane is formed by PVC sheets and geotextile. With the advantages of high tensile strength, high and low temperature resistance and good thermal performance, roll seams can use cold sticking method or hot air welding method, which leads to form joint bond firmly, closed tight overall waterproof layer. PVC geomembrane can satisfy the water conservancy, municipal, construction, transportation, subways, tunnels and other civil engineering anti-seepage, separation, reinforcement and anti crack conditions.



Specifications:

- **Product name:** PVC geomembrane.
- **Material:** PVC resin.
- **Thickness:** 0.30 mm, 0.50 mm, 0.60 mm, 0.80mm, 1.00 mm, 1.50 mm, 2.00 mm, 2.5mm, 3.0mm
- **Width:** 2000 mm or more than 2000 mm for different thickness
- **Color:** Black, Grey, Blue or double color at customized.



Shandong Jiantong Geosynthetics Co.,Ltd 山东建通土工材料有限公司

Add: No.168, Wuyou Street, Ande District, Lingcheng Area, Dezhou City, Shandong Province, China

Web: <http://www.jtgeomembrane.com>

Email: sales@jtgeomembrane.com

Features:

1. Convenient maintenance and low cost.
2. Convenient construction and easy welding.
3. Aging resistance and good wear resistance.
4. Firm, reliable and no environmental pollution.
5. Anti puncture ability is strong, can be used in planting roof.
6. Good plasticity, quick and simple edge and corner part treatment.
7. Bear chemical erosion, UV radiation resistance, suitable for special occasions.
8. With high tensile strength, excellent elongation, heat treatment size change is small.
9. Good low temperature flexibility, adapt to the environment temperature differences well.
10. Good high and low temperature resistance performance, excellent hot melt performance.
11. Long service life: as ground material can be used for more than 30 years, as underground material can be up to 50 years.

Technical Data Sheet:

Number	Item	Index	
1	Density g/cm ³	1.25~1.35	
2	Tensile strength (vertical and horizontal), MPa	≥15/13	
3	Elongation at break (vertical and horizontal), %	≥220/200	
4	Tear strength (vertical and horizontal), N/mm	≥40	
5	Low temperature bending (-20℃)	No cracks	
6	Dimensional change rate (vertical and horizontal), %	≤5	
7	Permeability coefficient, cm/s	≤10 ⁻¹¹	
8	Permeability coefficient (cm ³ *cm)	By design or contract	
9	Heat aging treatment	Exterior	No bubbles, no adhesion, no holes
		Relative change in tensile strength, %	≤25
		Relative elongation at break, %	≤25
		Low temperature bending (-20℃)	No crack

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Applications:

PVC geomembrane with excellent easy welding and good hot melt performance is widely used in various projects, for example:

- Reservoir, pool, dam and sewage treatment for anti-seepage.
- Tunnel, expressway, bridge, landfill and artificial lake.
- Roofing, light steel roofing and other industrial and civil large roof panel.
- Ground engineering that needs certain corrosion resistance requirements.
- Rigid layer waterproof layer and old building concrete component layers repairment.
- Sewage treatment system, basement or underground works waterproof and moisture proof.
- Water conservancy, municipal, construction, traffic, subway, tunnel engineering for anti seepage, isolation, reinforcement and anti crack.



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Shandong Jiantong Geosynthetics Co. Ltd.

Is one of the factories of our Jiantong New Material Technology Group Co.,Ltd. Which has four companies.



1) Shandong Jiantong Engineering Technology Material Co., Ltd.

Concentrated on product R& D and manufacturing according to the practical projects requirements.

2) Shandong Jiantong Plastic Engineering Co.,Ltd. Which main business including: engineering construction, design, providing full sets of project solutions.

3) Shandong Yuanheng Jiantong New Material Co., Ltd.

Focusing on international trade that import the raw material from the good suppliers out of China and export our Geosynthetics to the clients all over the world.

4) Shandong Jiantong Geosynthetics Co., Ltd.

Concentrated on product R& D and manufacturing according to the domestic and international market order requirements.

Established on February 26, 2009, Shandong Jiantong Geosynthetics Co., Ltd. is located at Lingcheng District, Dezhou, where is renowned for the Production Base of Geosynthetics in China which has more than 200 employees including more than 20 technical staff and 18 international advanced production lines of geotechnical materials, including 8 geomembrane liner production line (1 three co-extrusion production line) 3 long fiber filament spun-bonded non woven production lines, 3 short fiber non woven production lines, 2 geonet drainage production lines, 2 GCL production lines. There are also precise testing devices and complete testing means.

We successively passed ISO9001 International Quality System Certification, ISO14001 Environment System Certification and ISO45001 Occupation Health Safety Management System Certification.

The company enjoys good reputation in the industry, and is the member company of China Nonwovens Association and China Technical Association on Geosynthetics respectively.



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