

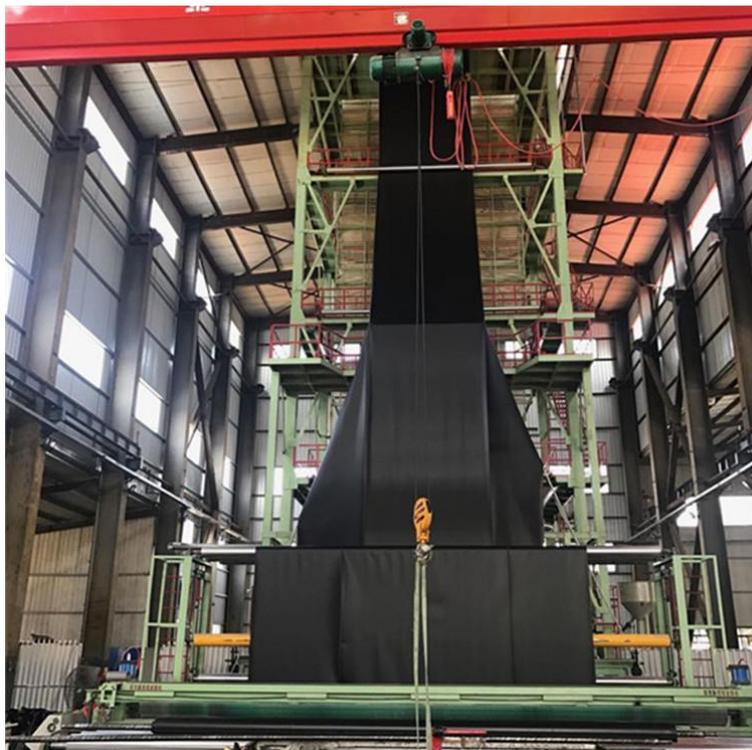
Wholesale High Quality HDPE Geomembrane With Factory Price From China Manufacturers

Taidong is a professional HDPE geomembrane manufacturers, supply HDPE geomembrane factory price and HDPE geomembrane for sale, welcome to consult HDPE geomembrane factory price.

HDPE geomembrane (high density polyethylene geomembrane) use high-quality polyethylene virgin resin, the main component of 97.5% of high density polyethylene, about 2.5% of carbon black, anti-aging agent, antioxidant, UV absorber and stabilizer ; Tai'an Taidong introduced ultra width automatic HDPE antiseepage geomembrane production equipment, all products produced according to the GRI standards and ASTM testing standards. We have completed specifications, smooth surface, and textured surface, thickness from 0.10mm to 4.0mm, width can be up to 10m, the high quality HDPE geomembrane can completely meet the application requirements of environmental sanitation, water conservancy, construction, municipal engineering, landscape, petrochemical, mining, salt, agriculture, aquaculture.

Features of HDPE Geomembrane

HDPE geomembrane as new material, it has excellent anti-seepage, anti-corrosion performance, good chemical stability, and it can be processed according to actual engineering needs. It has been widely used in dike, dam and reservoir anti-seepage of water conservancy projects, as well as in channels, reservoirs, sewage pools, swimming pools, buildings, underground buildings, landfill, environmental engineering, etc. HDPE geomembrane manufacturers produces HDPE geomembrane is used as anti-seepage, anti-corrosion, anti-leakage, and moisture-proof material.



The HDPE geomembrane manufacturers has different production standard, for example, American GRI GM standard, ASTM test method; and GB standard (China national standard).

1. Easy installation: as long as the pool is dug and leveled, no concrete cushion is needed;
2. Rapid installation: there is no solidification period required for structural concrete;
3. Resistance to foundation deformation: high quality HDPE geomembrane can resist foundation settlement or foundation deformation due to its good fracture elongation;
4. Good effect: this is the biggest characteristic of HDPE geomembrane;
5. Recovery after using: this is the biggest characteristic of HDPE geotextiles. After use, as long as it is put away and the pool is backfilled, it can be restored to its original state.

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Parameters of HDPE Geomembrane

Thickness: 0.1mm-6mm

Width: 1-10m

Length: 20-200m (customized)

Color: black/white/transparent/green/blue/customized

HDPE Geomembrane (GRI GM-13)

No.	Test item	Technical data							
	Thickness (mm)	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00
1	Density g/m ²	≥0.94	≥0.94	≥0.94	≥0.94	≥0.94	≥0.94	≥0.94	≥0.94
2	Tensile Yield Strength (MD&TD) (N/mm)	≥8	≥11	≥15	≥18	≥22	≥29	≥37	≥44
3	Tensile Breaking Strength (MD&TD) (N/mm)	≥13	≥20	≥27	≥33	≥40	≥53	≥67	≥80
4	Elongation at yield (MD&TD) (%)	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12
5	Elongation at break (MD&TD) (%)	≥700	≥700	≥700	≥700	≥700	≥700	≥700	≥700
6	Tear Resistance (MD&TD) (N)	≥58	≥93	≥125	≥160	≥190	≥250	≥315	≥375
7	Puncture Strength (N)	≥160	≥240	≥320	≥400	≥480	≥640	≥800	≥960
8	Tensile load stress cracking (Constant load tensile method of the incision)	≥300	≥300	≥300	≥300	≥300	≥300	≥300	≥300
9	Carbon Black Content (%)	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
10	85°C heat aging (Atmospheric OIT retention after 90d) (%)	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55
11	UV protection (OIT retention rate after 1600 h uviolizing)	≥50	≥50	≥50	≥50	≥50	≥50	≥50	≥50
12	Carbon black dispersion	In 10 datas, Grade 3≤1, Grade 4,5 are not allowed							
13	Oxidative Induction Time (min)	Atmospheric oxidative induction time ≥100							
		High pressure oxidative induction time ≥400							

Application of HDPE Geomembrane

1. Environmental protection and sanitation (e.g. landfill, sewage treatment, poisonous and harmful substance treatment plant, dangerous goods warehouse, industrial waste, construction, and blasting waste, etc.)
2. Water Conservancy (such as seepage prevention, leak plugging, reinforcement, seepage prevention vertical core wall of canals, slope protection, etc.)
3. Municipal works (subway, underground works of buildings and roof cisterns, seepage prevention of roof gardens, the lining of sewage pipes, etc.)
4. Garden (artificial lake, pond, golf course pond bottom lining, slope protection, etc.)
5. Petrochemical (chemical plant, refinery, gas station tank seepage control, chemical reaction tank, sedimentation tank lining, secondary lining, etc.)
6. Mining industry (bottom lining impermeability of washing pond, heap leaching pond, ash yard, dissolution pond, sedimentation pond, heap yard, tailings pond, etc.)
7. Agriculture (seepage control of reservoirs, drinking ponds, storage ponds, and irrigation systems)
8. Aquaculture (lining of the fish pond, shrimp pond, slope protection of sea cucumber circle, etc.)
9. Salt Industry (Salt Crystallization Pool, Brine Pool Cover, Salt geomembrane, Salt Pool geomembrane)



Cautions of Using HDPE Geomembrane

1. Please choose the right product type, thickness, width and length according to the terms of use or design requirements.
2. Products should be stored in a cool, dry, well-leveled warehouse and not suitable for open storage. The sun and rain, wind and sand pollution are prohibited. Stay away from the heat source.
3. Products are strictly prohibited from throwing, dragging, rolling, bumping and damaging the machinery and equipment in handling and storage.
4. Fill the backfill and fill it in layers. The backfill should not be less than 30 centimeters.
5. There should be no uneven and hard objects and sharp objects when laying products. It is not allowed to wear high heel shoes or shoes with iron nails to enter the construction site.
6. Avoid exposure to the sun and cover immediately after welding.
7. Construction should be carried out at temperatures above 5 degrees Celsius, below 4 levels of wind and no rain or snow.
8. Please select experienced and regular construction units to lay and weld the products according to relevant industry standards and process requirements.

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