

## Purchase High Quality&Low Price HDPE Liner From China HDPE Liner Manufacturers

Taidong is a professional China HDPE liner manufacturers, supply low price&high quality China HDPE liner, welcome to consult China HDPE liner factory price.

HDPE liner, also names HDPE geomembrane (high density polyethylene geomembrane), use virgin high-quality polyethylene granule, 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 low price China HDPE liner 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 purchase high quality HDPE liner can completely meet the application requirements of environmental sanitation, water conservancy, construction, municipal engineering, landscape, petrochemical, mining, salt, agriculture, aquaculture.

### Features of HDPE Liner

1. HDPE liner has complete width and thickness specifications.
2. HDPE liner has an excellent anti-seepage effect.
3. HDPE liner has excellent environmental stress cracking resistance and chemical corrosion resistance.
4. HDPE liner has excellent chemical corrosion resistance.
5. HDPE liner has large service temperature range and long service life.

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## Parameters of HDPE Liner

**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 <sup>2</sup>	≥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 1600h 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 Liner

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 Installation HDPE Liner**

Please do not drag the HDPE liner HDPE Geomembrane in the transportation, and avoid stabbing by sharp objects.

1. From the bottom to the high extension, do not pull too tight, should leave 1.50% of the residual, in case of local subsidence stretch. Considering the actual situation of this project, the slope is laid from top to bottom.
2. The longitudinal joints of adjacent two pieces shall not be in a horizontal line and shall stagger each other for more than 1m;
3. The longitudinal joint shall be more than 1.5m away from the dam foot and bend foot and shall be set on the plane;
4. Install the wholesale HDPE Liner made in China on the Slope first, then install the bottom.
5. When the slope is laid, the film-spreading direction should be basically parallel to the maximum slope line.
6. The temperature should generally be more than 5 degrees Celsius, HDPE liner HDPE geomembrane should be tense at low temperature, HDPE liner should be loose at high temperature.
7. The wind is below grade 4 for work condition.
8. When the temperature is too low, the construction should not be carried out in windy and sleet weather above grade 4.
9. In windy weather, when the wind influences the construction of HDPE liner, the HDPE liner to be welded shall be pressed firmly with sandbags.

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