

Wholesale High Quality&Low Price Aquaculture Geomembrane From China  
Manufacturers

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

Aquaculture geomembrane is a kind of HDPE geomembrane with the double-sided flat and smooth surface. Aquaculture geomembrane (HDPE geomembrane) produced by the special formulation of virgin HDPE granule and blow molding technology. High quality aquaculture geomembrane normally requires virgin HDPE geomembrane which has good UV resistance, aging resistance, and corrosion resistance. So, the aquaculture geomembrane manufacturers which produced by virgin HDPE has a very long service life, and we have advanced production line, the capacity is big, can meet different requirements easily.

#### **Features of Aquaculture Geomembrane**

1. Aquaculture geomembrane has High physical and mechanical indexes: the tensile strength can reach more than 27MPa; Elongation at break can reach more than 800 percent; the right-angle tear strength of thinner Aquaculture geomembrane can reach more than 150N/mm.
2. High quality aquaculture geomembrane has Good chemical stability: HDPE geomembrane (Aquaculture geomembrane) has excellent chemical stability, widely used in a fish pond, shrimp farm, sewage treatment, a chemical reaction tank, and landfill. Resistance to high and low temperature, asphalt, oil and tar, acid, alkali, salt and more than 80 kinds of a strong acid and alkali chemical medium corrosion.
3. Aquaculture geomembrane produced by the aquaculture geomembrane manufacturers has High anti-seepage coefficient: HDPE geomembrane (Aquaculture geomembrane) has an incomparable anti-seepage effect compared with ordinary waterproof materials, and the water vapor seepage system  $K \leq 1.0 \times 10^{-13} \text{ g. Cm / cm}^2 \text{ s. a.}$
4. Quick installation: hot-melt welding is adopted, with high weld strength, convenient and fast construction.
5. Aquaculture geomembrane has good Anti-aging performance, it has excellent anti-aging, anti-ultraviolet, anti-decomposition ability, can be used naked, the service life of the material up to 50-70 years, provides a good material guarantee for the environmental anti-seepage.
6. Low price aquaculture geomembrane produced by the aquaculture geomembrane manufacturers has Low cost and high benefit -- HDPE geomembrane adopts new technology to improve the anti-seepage effect, but the production process is more scientific, rapid, so the production cost is lower than the traditional waterproof material, the actual calculation of the general project using HDPE geomembrane to save about 50% of the cost.
7. Environmental protection non-toxic - Low price aquaculture geomembrane materials are non-toxic environmental protection materials, the anti-seepage principle is common

physical changes, do not produce any harmful substances, is the best choice of environmental protection, breeding, drinking pools.

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### **Parameters of Aquaculture Geomembrane**

**Thickness:** 0.1mm-6mm (customized)

**Width:** 1-10m (customized)

**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/m2	≥0.94	≥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	≥12
5	Elongation at break (MD&TD) (%)	≥700	≥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	≥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 uvilizing)	≥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 Aquaculture Geomembrane**

1. Agriculture (reservoirs, drinking pools, reservoirs, impervious irrigation systems, agricultural farming such as pig farms septic tanks)
2. Aquaculture industry (aquaculture ponds, intensive and factory aquaculture ponds, fish ponds, the lining of shrimp ponds, slope protection of sea cucumber rings, etc.)
3. Salt industry (salt farm crystal pool, halogen pool tarpaulin, salt film, plastic film cover salt pool)
- 4.Petrochemical industry (anti-seepage of storage tanks in chemical plants, refineries and gas stations, chemical reaction tanks, the lining of sedimentation tanks, secondary lining, etc.)

5. Mining industry (washing and dressing pool, heap leaching pool, heap ash field, dissolution pool, sedimentation pool, yard, the bottom lining of tailings anti-seepage, etc.)  
6. Transportation facilities (highway foundation reinforcement, seepage prevention of culvert)



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