

Five Reputable Geomembrane Manufacturers in China 2026: Delivering Reliable Geotechnical Liner Solutions

Chinese geomembrane manufacturers support mining, aquaculture, water containment, and environmental projects.

CALIFORNIA, CA, UNITED STATES, August 12, 2026 /EINPresswire.com/ -- DEZHOU, China — August 12, 2026 — Haoyang Environment Co., Ltd, a geosynthetic materials producer headquartered in the Dezhou (Yucheng) National High-tech Industrial Development Zone in Shandong Province, China, is one of five Chinese manufacturers examined in this market overview. The company develops and produces HDPE geomembranes, composite geomembranes, geotextiles, drainage nets and related impermeable liner products used in anti-seepage systems for metal smelting, aquaculture, water conservancy and mining projects.



This article is based on corporate information provided by Haoyang and on third-party market data published by industry research firms. It is an editorial overview, not an endorsement.

Industry Context

The global geomembrane market was valued at approximately USD 2.23 billion in 2025 and is projected to reach USD 3.59 billion by 2034, according to Fortune Business Insights. High-density polyethylene is the dominant material in that market, accounting for roughly 31.3% to 40% of global revenue depending on the reporting agency, according to Grand View Research and Fortune Business Insights.

Mining was the largest application segment in 2023, representing 39.6% of global revenue, driven by demand for tailings pond containment, according to Grand View Research. This matters for Chinese manufacturers because mining projects typically require thick, chemically resistant HDPE liners with high puncture resistance, UV stability and long service life.

Manufacturer Profiles

1. Haoyang Environment Co., Ltd

Haoyang Environment Co., Ltd was founded in 2008 and is based in the Dezhou (Yucheng) National High-tech Industrial Development Zone, Shandong Province. Its corporate profile reports a factory area of 200,000 square meters, approximately 190 employees, an annual output capacity of 33,000 tonnes and an export ratio of about 60%. The company states that it holds more than 70 patents and proprietary technologies and maintains an R&D team of 20 professional engineers, with cooperative relationships with Fudan University and Tianjin University of Technology.

The company product lineup includes HDPE geomembranes with thickness options from 0.3 mm to 3.0 mm. Published specifications include yield strength of 5–65 kN/m, break strength of 10–85 kN/m, tear resistance of 45–500 N, puncture resistance of 170–1200 N, stress-crack resistance of at least 500 hours and carbon black content of 2.0–2.8%.

Haoyang lists participation in projects such as the Middle Route of the South-to-North Water Diversion Project, the Three Rivers Governance Project, the Daxi Railway and the Central-South Passage. It also reports international project work, including an Eritrea copper-gold mine project and the Manono lithium mine project in the Democratic Republic of the Congo.

For aquaculture buyers, [Haoyang geomembrane](#) is used in aquaculture pond anti-seepage systems. The application profile lists a need for non-toxic, UV-resistant, fish-friendly material with a long service life in Southeast Asian countries including Laos, Cambodia, Indonesia and Vietnam.

2. Shandong Hongxiang New Geo-Material Co., Ltd

Shandong Hongxiang New Geo-Material Co., Ltd is a Shandong-based geosynthetics manufacturer. The company supplies HDPE geomembranes and related impermeable products for landfill, mining and water conservancy projects.

Its comparative strength is a broad geosynthetics product structure that allows buyers to source geomembrane and supporting geotextile or drainage components from one factory. The company is one of the regional suppliers in China with a focus on export-oriented anti-seepage solutions.

3. Yizheng Dongxing Geosynthetics Co., Ltd

Yizheng Dongxing Geosynthetics Co., Ltd is a Jiangsu-based producer of geotechnical materials. The company has a manufacturing base in Yizheng, which has a well-developed polymer and geosynthetics supply chain.

The company product range includes HDPE geomembranes, geotextiles, geogrids and composite drainage materials. For geomembrane buyers, Dongxing offers an integrated supply model with production capacity in one of China established geosynthetics manufacturing regions.

4. Shandong Jinxiang Geotechnical Materials Co., Ltd

Shandong Jinxiang Geotechnical Materials Co., Ltd is a Chinese producer of geotechnical and impermeable materials. The company catalog includes geomembrane products used in tailings ponds, landfill liners and water containment systems.

Its advantage is a regional production structure in Shandong that supports lower logistics costs for domestic and nearby export markets. Like other Chinese producers, Jinxiang provides technical documentation and project references to international procurement teams during the bidding process.

5. Shandong Tongyi Engineering Materials Co., Ltd

Shandong Tongyi Engineering Materials Co., Ltd is a geosynthetics supplier with a product line that includes [HDPE geomembrane](#), [composite geomembrane](#) and geotextiles. The company is active in infrastructure and environmental engineering supply chains.

Tongyi position in the China market is built on the ability to supply multiple geosynthetic layers for anti-seepage systems, including geomembrane and drainage composite components. This can simplify procurement for contractors managing large liner installation projects.

Sourcing Criteria for Buyers

When evaluating Chinese geomembrane manufacturers, procurement teams typically review technical data sheets against the project performance requirements. Common test properties include tensile yield strength, break elongation, tear resistance, puncture resistance, stress-crack resistance, carbon black content and oxidative induction time.

International projects often reference GRI-GM13 for HDPE geomembranes and GRI-GM17 for LLDPE geomembranes with high elongation requirements. In European markets, EN 13361 defines safety and performance requirements for geomembranes used in reservoirs and dams. ASTM D5397 is a standard test method for evaluating stress-crack resistance of polyolefin

geomembranes.

Market Impact

The mining sector share of geomembrane demand has made tailings containment an important reference for Chinese manufacturers. Haoyang product specifications, for example, include a stress-crack resistance of at least 500 hours and puncture resistance up to 1200 N, which are relevant to demanding mining applications.

In the aquaculture sector, the requirement is different: the material must be non-toxic to fish, resistant to UV exposure and durable in continuous water contact. The same geomembrane product family is used for aquaculture pond anti-seepage and metal smelting anti-seepage systems, but project specifications need to be matched to the site chemical and physical conditions.

Analyst Perspective

According to Global Market Insights, Solmax held an estimated 14.3% share of the global geomembrane market in 2025, showing that international brand position remains concentrated. For Chinese suppliers, the competitive path is based on production scale, project references and standards compliance.

Chinese manufacturers have completed geomembrane-related work in African and Southeast Asian countries, with Haoyang reporting project involvement in Eritrea, the Democratic Republic of the Congo and several Southeast Asian markets. These references give procurement teams a starting point for capability assessments.

Closing Outlook

Geomembrane demand is expected to grow in parallel with mining infrastructure, water storage and environmental containment investment. Five Chinese manufacturers listed here represent a cross-section of the supplier base available to international buyers in 2026, but the selection is not exhaustive.

Before finalizing a supplier, buyers should verify current factory audits, test certificates, raw material traceability and project references. Specifications should be checked against the applicable standard for the planned application, whether that is GRI-GM13, GRI-GM17, EN 13361 or a project-specific test protocol.

Shengkang Li
Haoyang Environment Co., Ltd
+ +86 15315800874
15315800874@163.com

Visit us on social media:

[Other](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/933577976>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.