

Industraline and Industraline Lite Frequently Asked Questions

1. What is HDPE Geomembrane?

High-Density Polyethylene (HDPE) Geomembrane is a thermoplastic polymer material. It is commonly used on construction or mining projects because of its high strength-to-density ratio and chemical resistance.

2. What is HDPE Liner?

HDPE Liner is a roll of HDPE Geomembrane used by the mining, agricultural and water industry. It is commonly used as the product creates a waterproof impermeable barrier vital for many projects.

3. What's the difference between Liner and Liner Lite?

The HDPE Liner and HDPE Liner Lite are the exact same material. The dimensions are different however as well as the minimum order quantity and applications.

4. What size does the HDPE Liner come in?

- 4.2m W x 50m L x 0.5mm T (Thickness)
- 5.8m W x 50m L x 1mm T OR 2mm T
- 5.8m W x 100m L x 1mm T OR 1.5mm T OR 2mm T
- 8.0m W x 50m L x 1.5mm T OR 2mm T

5. Is there a minimum order quantity for the HDPE Liner?

Yes, 290 square metres which is one full roll. The order increments range depending on dimensions and can be seen on our full product price list.

6. What size does the Lite come in?

- 5.0m W x 10m L x 0.5mm T OR 1mm T

7. Is there a minimum order quantity for the HDPE Liner lite?

Yes, 50 square metres. The order increments are also 50 square metres.

8. Do you sell HDPE Liner and HDPE Liner Lite in bulk?

Yes, we give bulk discount rates based on the size of your order. We can also send you our full product price list.

9. Do you have a project size limit?

No, the liner can service projects from relatively small to extremely large such as dam lining.

10. How do I install it?

The installation process involves rolling out large, pre-defined sheets of the HDPE Geomembrane on the install area. The edges are then welded together using machinery. Industrial Plastics do not install liners.

11. Can it be used in water?

HDPE liners are often used for water treatment, landfill and pond or pontoon projects. Our product brochures explain how Liner Lite is designed specifically towards water applications.

12. Is HDPE chemical resistant?

Yes, Geomembrane creates a waterproof impermeable barrier that protects it from being contaminated by chemicals.

13. Can animals bite through the material?

No, because HDPE Geomembrane is tough and does not contain plasticizers that small animals like to bite through.

14. What is the life expectancy of HDPE Liner and Liner Lite?

The life expectancy of HDPE liners is calculated through a variety of environmental and installation factors. Exposure to high temperatures or sunlight for example may shorten its life. When exposed the life expectancy is 20 years, however, when the liner is buried its life expectancy can be 200 years. A detailed explanation about life expectancy can be found on our product safety and MSDS documents.

15. What is the temperature range?

The operational temperature range for the HDPE liners is -70°C to 110°C.

16. Why does HDPE wrinkle?

HDPE expands and contracts roughly 2% during weather changes of around 10°C. Customers should not worry however as it is accounted for in each project.

17. Can the HDPE Geomembrane puncture?

Yes, the liner may puncture if the ground it is laid on has rocks or sharps. To prevent this, Industrial Plastics recommend using a geotextile cushion under the lining. This ensures the liner is not punctured.