

# Plastatech<sup>®</sup> Industrial Grade

## 40-mil Geomembrane



Plastatech Industrial Grade (IG) geomembrane was developed for applications such as landfills, canals, ponds and other containment purposes. This geomembrane can be formulated to withstand UV exposure, atmospheric pollutants and harsh chemicals commonly found in industrial settings.

Plastatech IG is a non-reinforced PVC membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

IG is available in 10-, 20-, 30- and 40-mil thicknesses.

### Uses

- Landfill liners and caps
- Secondary containment
- Wastewater containment
- Containment ponds
- Canals

### Installation

Plastatech IG performs satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil.

Contact Plastatech for installation instructions.

### Warranty

Contact Plastatech for warranty details.  
800.892.9358 | [info@plastatech.com](mailto:info@plastatech.com)

### Storage

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

## Physical Properties

Plastatech IG has been subjected to the following tests.

|                                  | TEST METHOD           | UNITS    | 40 MILS                 |
|----------------------------------|-----------------------|----------|-------------------------|
| Thickness                        | ASTM D5199            | mils     | 40.0 ± 5%               |
| Specific Gravity                 | ASTM D792             |          | 1.20 min.               |
| <b>Tensile Properties</b>        |                       |          |                         |
| Breaking Strength                | ASTM D882             | lbf/in.  | 97 min.                 |
| Elongation at Break              |                       | %        | 430 min.                |
| 100% Modulus                     |                       | lbf/in.  | 40 min.                 |
| Tear Resistance                  | ASTM D1004            | lbf      | 10.0 min.               |
| Low Temperature                  | ASTM D1790            |          | Pass at -20° F (-29° C) |
| Dimensional Stability            | ASTM D1204            | %        | 3 max.                  |
| Water Extraction                 | ASTM D1239            | %        | 0.2 max.                |
| Volatile Loss                    | ASTM D1203            | %        | 0.5 max.                |
| <b>Resistance to Soil Burial</b> |                       |          |                         |
| Breaking Strength                | ASTM G160             | % change | 5 max.                  |
| Elongation at Break              |                       | % change | 20 max.                 |
| 100% Modulus                     |                       | % change | 20 max.                 |
| Hydrostatic Resistance           | ASTM D751 Procedure A | psi      | 120 min.                |

## Packaging and Color Options

### Available Sizes

Plastatech IG is available in black and gray. Contact Plastatech for custom sizes.

|                |                       |
|----------------|-----------------------|
| Thickness      | 40 MILS               |
| Width          | 76.25 in. ± 0.25 in.  |
| Length         | 250 yd.<br>(750 feet) |
| Roll Area      | 4,765 sq. ft.         |
| Approx. Weight | 1,250 lb.             |



CONTAIN. CONTROL. COMPLY.

For more information about Plastatech, give us a call or visit our website today.

800.892.9358

[plastatech.com](http://plastatech.com)

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