

Plastatech® IG *Industrial Grade Geomembrane*



Description

Plastatech® IG geomembrane was developed for applications such as landfills, canals, ponds and other containment purposes. It is formulated to withstand UV exposure, atmospheric pollutants and 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. It is produced in 10, 20 and 30-mil thicknesses.

Uses

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

Installation

Plastatech IG will perform sufficiently 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.

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	10 MILS	20 MILS	30 MILS
Thickness	ASTM D5199	mils	10.0 ± 5%	20.0 ± 5%	30.0 ± 5%
Specific Gravity	ASTM D792		1.20 min.	1.20 min.	1.20 min.
Tensile Properties					
Breaking Strength	ASTM D882	lbf/in.	24 min.	48 min.	73 min.
Elongation at Break		%	250 min.	360 min.	380 min.
100% Modulus		lbf/in.	10 min.	20 min.	30 min.
Tear Resistance	ASTM D1004	lbf	2.5 min.	6.0 min.	8.0 min.
Low Temperature	ASTM D1790		Pass at -9.4° F (-23° C)	Pass at -14.8° F (-26° C)	Pass at -20.2° F (-29° C)
Dimensional Stability	ASTM D1204	%	4 max.	4 max.	3 max.
Water Extraction	ASTM D1239	%	0.15 max.	0.15 max.	0.15 max.
Volatile Loss	ASTM D1203	%	1.5 max.	0.9 max.	0.7 max.
Resistance to Soil Burial					
Breaking Strength	ASTM G160	% change	5 max.	5 max.	5 max.
Elongation at Break		% change	20 max.	20 max.	20 max.
100% Modulus		% change	20 max.	20 max.	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	42 min.	68 min.	100 min.

Packaging and Color Options

Available Sizes

- Common roll sizes are listed below.
- Contact Plastatech for custom sizes.

Available Colors

- Black
- Gray

THICKNESS	10 MILS	20 MILS	30 MILS
Width	76.25 in. ± 0.25 in.	76.25 in. ± 0.25 in.	76.25 in. ± 0.25 in.
Length	1,025 yd. (3,075 feet)	480 yd. (1,440 feet)	350 yd. (1,050 feet)
Roll Area	19,475 sq. ft.	9,120 sq. ft.	5,700 sq. ft.
Approx. Weight	1,300 lb.	1,200 lb.	1,100 lb.

For information on Plastatech,
call or visit our website today.

800-892-9358
plastatech.com



Plastatech Engineering, Ltd.

725 West Morley Drive | Saginaw, Michigan 48601
(800) 892-9358 phone | (989) 754-1626 fax | plastatech.com

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