

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, 30 and 40-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	40 MILS
Thickness	ASTM D5199	mils	10.0 ± 5%	20.0 ± 5%	30.0 ± 5%	40.0 ± 5%
Specific Gravity	ASTM D792		1.20 min.	1.20 min.	1.20 min.	1.20 min.
Tensile Properties						
Breaking Strength	ASTM D882	lbf/in.	24 min.	48 min.	73 min.	PENDING
Elongation at Break		%	250 min.	360 min.	380 min.	PENDING
100% Modulus		lbf/in.	10 min.	21 min.	32 min.	PENDING
Tear Resistance	ASTM D1004	lbf	2.5 min.	6.0 min.	8.0 min.	PENDING
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)	PENDING
Dimensional Stability	ASTM D1204	%	4 max.	4 max.	3 max.	PENDING
Water Extraction	ASTM D1239	%	0.15 max.	0.15 max.	0.15 max.	PENDING
Volatile Loss	ASTM D1203	%	1.5 max.	0.9 max.	0.7 max.	PENDING
Resistance to Soil Burial						
Breaking Strength	ASTM G160	% change	5 max.	5 max.	5 max.	5 max.
Elongation at Break		% change	20 max.	20 max.	20 max.	20 max.
100% Modulus		% change	20 max.	20 max.	20 max.	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	42 min.	68 min.	100 min.	PENDING

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 in.	108 in.	76 in.	108 in.	76 in.	108 in.
Length	1,025 yd. (3,075 feet)	720 yd. (2,160 feet)	480 yd. (1,440 feet)	330 yd. (990 feet)	300 yd. (900 feet)	210 yd. (630 feet)
Roll Area	19,475 sq. ft.	19,440 sq. ft.	9,120 sq. ft.	8,910 sq. ft.	5,700 sq. ft.	5,670 sq. ft.
Approx. Weight	1,300 lb.	1,295 lb.	1,200 lb.	1,175 lb.	1,100 lb.	1,095 lb.

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

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plastatech.com



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