

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

PACKAGING AND COLOR OPTIONS:

• Available sizes

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

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

• Available colors

- Black
- Gray

INSTALLATION:

Plastatech IG will perform 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.

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-mil	20-mil	30-mil	40-mil
Thickness	ASTM D5199	mils	10.0 ± 5%	20.0 ± 5%	30.0 ± 5%	40.0 ± 5%
Specific Gravity	ASTM D792		1.20 min.			
Tensile Properties		lbf/in.	24 min.	48 min.	73 min.	PENDING
Breaking Strength	ASTM D882	%	250 min.	360 min.	380 min.	
Elongation at Break		lbf/in.	10 min.	21 min.	32 min.	
100% Modulus						
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	ASTM G160	% change	5 max.			
Breaking Strength		% change	20 max.			
Elongation at Break		% change	20 max.			
100% Modulus						
Hydrostatic Resistance	ASTM D751 Procedure A	psi	42 min.	68 min.	100 min.	PENDING