

Plastatech® Industrial Grade 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 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 preconsolidated soil.

Contact Plastatech for installation instructions.

Warranty

Contact Plastatech for warranty details.
800.892.9358 | 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	10 MILS	20 MILS	30 MILS	40 MILS
Thickness	ASTM D5199	mils	10 ± 5%	20 ± 5%	30 ± 5%	40 ± 5%
Specific Gravity	ASTM D792		1.2 min.	1.2 min.	1.2 min.	1.2 min.
Tensile Properties						
Breaking Strength	ASTM D882	lbf/in.	24 min.	48 min.	73 min.	97 min.
Elongation at Break		%	250 min.	360 min.	380 min.	430 min.
100% Modulus		lbf/in.	10 min.	20 min.	30 min.	40 min.
Puncture Resistance	ASTM D4833	lbf	21.63	35.71	61.05	93.79
Tear Resistance	ASTM D1004	lbf	2.5 min.	6 min.	8 min.	10 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)	Pass at -20 F (-29 C)
Dimensional Stability	ASTM D1204	%	4 max.	4 max.	3 max.	3 max.
Water Extraction	ASTM D1239	%	0.15 max.	0.15 max.	0.15 max.	0.2 max.
Volatile Loss	ASTM D1203	%	1.5 max.	0.9 max.	0.7 max.	0.5 max.
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.	120 min.

Packaging and Color Options

Available Sizes

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

Thickness	10 MILS	20 MILS	30 MILS	40 MILS
Width	76.25 in. ± 0.25 in.	76.25 in. ± 0.25 in.	76.25 in. ± 0.25 in.	76.25 in. ± 0.25 in.
Length	900 yd. (2,700 feet)	480 yd. (1,440 feet)	350 yd. (1,050 feet)	250 yd. (750 feet)
Roll Area	17,156 sq. ft.	9,150 sq. ft.	6,671 sq. ft.	4,765 sq. ft.
Approx. Weight	1,225 lb.	1,275 lb.	1,350 lb.	1,270 lb.



CONTAIN. CONTROL. COMPLY.

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

800.892.9358

plastatech.com

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