



PlastaFlex® Geomembrane

PlastaFlex® IG

Industrial Grade Geomembrane



PlastaFlex IG was developed for many environmental applications including landfills, canals, ponds, and other containment purposes. This geomembrane is formulated to withstand UV rays, atmospheric pollutants, and harsh chemicals commonly found in industrial settings.

PlastaFlex IG offers excellent layflat and squareness characteristics.

PlastaFlex IG is available in gray, and other colors can be manufactured upon request in 10, 20, or 30-mil thicknesses.

PlastaFlex IG meets PGI-1104 and ASTM D7176 requirements.

Applications:

- Landfill liners
- Landfill caps
- Secondary containment
- Waste water containment
- Containment ponds

PlastaFlex® FG

Fish Grade Geomembrane



PlastaFlex FG was developed for fisheries, aquaculture, decorative and recreational fish ponds, and landscaping applications.

PlastaFlex FG offers unsurpassed flexibility and tensile strength. This geomembrane is easily installed in irregularly-contoured areas with excellent layflat and squareness characteristics.

The standard thickness of **PlastaFlex FG** is 30 mils (0.030 inches), and other thicknesses can be manufactured upon request.

Applications:

- Fisheries
- Hatcheries
- Food processing
- Ponds
- Cistern liners
- Recreational fish ponds

PlastaFlex® IG

Industrial Grade Geomembrane

TYPICAL PROPERTY	TEST METHOD	UNITS	10-mil	20-mil	30-mil
Thickness	ASTM D5199	mil	10.0 ± 5%	20.0 ± 5%	30.0 ± 5%
Width	ASTM D751	inches	76¼ ± ¼		
Specific Gravity	ASTM D792		1.20 min.		
Tensile Properties Breaking Strength Elongation at Break 100% Modulus	ASTM D882	lb _f /in. % lb _f /in.	24 min. 250 min. 10 min.	48 min. 360 min. 21 min.	73 min. 380 min. 32 min.
Tear Resistance	ASTM D1004	lb _f	2.5 min.	6.0 min.	8.0 min.
Low Temperature	ASTM D1790		Pass at -23°C	Pass at -26°C	Pass at -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 Elongation at Break 100% Modulus	ASTM G160	% Change % Change % Change	5 max. 20 max. 20 max.		
Hydrostatic Resistance	ASTM D751 Procedure A	psi	42 min.	68 min.	100 min.

PlastaFlex® FG

Fish Grade Geomembrane

TYPICAL PROPERTY	TEST METHOD	UNITS	30-mil
Thickness	ASTM D5199	mil	30.0 ± 5%
Width	ASTM D751	inches	76¼ ± ¼
Specific Gravity	ASTM D792		1.20 min.
Tensile Properties Breaking Strength Elongation at Break 100% Modulus	ASTM D882	lb _f /in. % lb _f /in.	73 min. 380 min. 32 min.
Tear Resistance	ASTM D1004	lb _f	8.0 min.
Low Temperature	ASTM D1790		-23°C
Dimensional Stability	ASTM D1204	%	3 max.
Water Extraction	ASTM D1239	%	0.15 max.
Volatile Loss	ASTM D1203	%	0.7 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	100 min.
Chronic Fish Toxicity	PLQC-16		Pass



Where the future is now

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