

PVC GEOMEMBRANE LINERS

PRODUCT DATA SHEETS

20 MIL PVC GEOMEMBRANE LINER



PVC (Polyvinyl Chloride) geomembranes were developed for applications such as landfills, canals, ponds and other containment purposes. They are formulated to withstand atmospheric pollutants and chemicals commonly found in industrial settings.

20 mil PVC liner is a non-reinforced membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

PVC liners are available in 20, 30 and 40 mil thicknesses.

EASY INSTALLATION

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

WARRANTY

Contact Ferguson Waterworks experts for warranty details.

INSTALLATION

20 mil PVC liners will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact Ferguson Waterworks for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

For more information about PVC Geomembrane Liners, contact Inside Sales at infogeo@ferguson.com or visit us at fergusonwaterworks.com

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20 MIL PVC GEOMEMBRANE LINER

PHYSICAL PROPERTIES

	TEST METHOD	UNITS	20 MILS
Thickness	ASTM D5199	mils	20.0 ± 5%
Specific Gravity	ASTM D792		1.20 min.

TENSILE PROPERTIES

Breaking Strength	ASTM D882	lbf/in.	48 min.
Elongation at Break		%	360 min.
100% Modulus		lbf/in.	20 min.
Tear Resistance	ASTM D1004	lbf	6.0 min.
Low Temperature	ASTM D1790		Pass at -14.8° F (-26° C)
Dimensional Stability	ASTM D1204	%	4 max.
Water Extraction	ASTM D1239	%	0.15 max.
Volatile Loss	ASTM D1203	%	0.9 max.

RESISTANCE TO SOIL BURIAL

Breaking Strength	ASTM G160	% change	5 max.
Elongation at Break		% change	20 max.
100% Modulus		% change	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	68 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

20 mil PVC liners are available in black and gray. Ferguson offers custom fabrication to meet the specifications of your project site.

For custom sizes, contact Ferguson Waterworks experts.

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30 MIL PVC GEOMEMBRANE LINER



PVC (Polyvinyl Chloride) geomembranes were developed for applications such as landfills, canals, ponds and other containment purposes. They are formulated to withstand atmospheric pollutants and chemicals commonly found in industrial settings.

30 mil PVC liner is a non-reinforced membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

PVC liners are available in 20, 30 and 40 mil thicknesses.

EASY INSTALLATION

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

WARRANTY

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INSTALLATION

30 mil PVC liners will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

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STORAGE

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30 MIL PVC GEOMEMBRANE LINER

PHYSICAL PROPERTIES

	TEST METHOD	UNITS	30 MILS
Thickness	ASTM D5199	mils	30.0 ± 5%
Specific Gravity	ASTM D792		1.20 min.

TENSILE PROPERTIES

Breaking Strength	ASTM D882	lbf/in.	73 min.
Elongation at Break		%	380 min.
100% Modulus		lbf/in.	30 min.
Tear Resistance	ASTM D1004	lbf	8.0 min.
Low Temperature	ASTM D1790		Pass at -20.2° F (-29° C)
Dimensional Stability	ASTM D1204	%	3 max.
Water Extraction	ASTM D1239	%	0.15 max.
Volatile Loss	ASTM D1203	%	0.7 max.

RESISTANCE TO SOIL BURIAL

Breaking Strength	ASTM G160	% change	5 max.
Elongation at Break		% change	20 max.
100% Modulus		% change	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	100 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

30 mil PVC liners are available in black and gray. Ferguson

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40 MIL PVC GEOMEMBRANE LINER



PVC (Polyvinyl Chloride) geomembranes were developed for applications such as landfills, canals, ponds and other containment purposes. They are formulated to withstand atmospheric pollutants and chemicals commonly found in industrial settings.

40 mil PVC liner is a non-reinforced membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

PVC liners are available in 20, 30 and 40 mil thicknesses.

EASY INSTALLATION

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

WARRANTY

Contact Ferguson Waterworks experts for warranty details.

INSTALLATION

40 mil PVC liners will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact Ferguson Waterworks for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

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40 MIL PVC GEOMEMBRANE LINER

PHYSICAL PROPERTIES

	TEST METHOD	UNITS	40 MILS
Thickness	ASTM D5199	mils	40.0 ± 5%
Specific Gravity	ASTM D792		1.20 min

TENSILE PROPERTIES

Breaking Strength	ASTM D882	lbf/in.	97 min.
Elongation at Break		%	430 min.
100% Modulus		lbf/in.	40 min.
Tear Resistance	ASTM D1004	lbf	10.0 min.
Low Temperature	ASTM D1790		Pass at -20.2° F (-29° C)
Dimensional Stability	ASTM D1204	%	3 max.
Water Extraction	ASTM D1239	%	0.2 max.
Volatile Loss	ASTM D1203	%	0.5 max.

RESISTANCE TO SOIL BURIAL

Breaking Strength	ASTM G160	% change	5 max.
Elongation at Break		% change	20 max.
100% Modulus		% change	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	120 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

40 mil PVC liners are available in black and gray. Ferguson

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PVC FISH- GRADE GEOMEMBRANE LINERS



PVC fish-grade liner geomembranes are non-reinforced PVC membranes designed for use in aquatic environments and landscaping applications. They combine strong tensile strength and flexibility with excellent lay-flat characteristics, making the geomembranes easy to install in irregularly contoured areas.

Ideal for aquaculture ponds and other aquatic environments, are available in black and light gray, and produced in 20-mil and 30-mil thickness.

EASY INSTALLATION

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

WARRANTY

Contact Ferguson Waterworks experts for warranty details.

INSTALLATION

PVC fish-grade liners will perform sufficiently when properly fabricated by the installing contractor and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact Ferguson Waterworks for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

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PVC FISH-GRADE GEOMEMBRANE LINER

PHYSICAL PROPERTIES

	TEST METHOD	UNITS	20 MILS	30 MILS
Thickness	ASTM D5199	mils	20.0 ± 5%	30.0 ± 5%
Specific Gravity	ASTM D792		1.20 min	1.20 min

TENSILE PROPERTIES

Breaking Strength	ASTM D882	lbf/in.	48 min.	73 min.
Elongation at Break		%	360 min.	380 min.
100% Modulus		lbf/in.	20 min.	30 min.
Tear Resistance	ASTM D1004	lbf	6.0 min.	8.0 min.
Low Temperature	ASTM D1790		Pass at 5° F (-15° C)	Pass at -9.4° F (-23° C)
Dimensional Stability	ASTM D1204	%	4 max.	3 max.
Water Extraction	ASTM D1239	%	0.15 max.	0.15 max.
Volatile Loss	ASTM D1203	%	0.9 max.	0.7 max.
Hydrostatic Resistance	ASTM D751 I Procedure A	psi	68 min.	100 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

PVC fish-grade liners are available in black and gray. Ferguson Waterworks offers custom fabrication to meet the specifications of your project site.

For custom sizes, contact Ferguson Waterworks experts.

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