



The Liner Company

SOLUTIONS

ENVIRONMENTAL PROTECTION, INC.

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35 mil Reinforced UltraTech® Specifications

TYPICAL APPLICATIONS:

Exposed Applications

Secondary Containment

Industrial Waste

Soil Remediation

Steep Slopes > 3/1

Reinforced UltraTech is a polymeric lining material made from a synthetic compound formulated with polymers, resin modifiers and stabilizers. UltraTech is noted for its high tensile strength and flexibility over a broad temperature range. It offers excellent weatherability and chemical resistance.

The Reinforced UltraTech flexible membrane provides high dimensional stability through its three-layer construction: two layers of UltraTech with a scrim fabric laminated between. It is manufactured totally by calendering, with each ply laminated to the next ply through the openings in the scrim weave to produce a pinhole-free membrane.

The single ply of supporting fabric is totally encapsulated within the 2 plies of membrane, giving a 3-ply construction of nominal 35 mil thickness.

Thickness (min total)	ASTM D-751	.030"
Thickness (Typical Average)		.036"
Fabric Weight (oz/yd ²)	ASTM D3776	5.00
Tensile properties ASTM D-751		
Breaking pounds		250/200
Tear Strength (lb)	ASTM D4533	30/30
Tongue Tear (lb)	ASTM D751	50
Hydrostatic Resistance (psi, min)	ASTM D-751(A)	300
Puncture Resistance (lb)	ASTM D4833	150
Ply Adhesion (lb/in)	ASTM D751	10
Bursting Strength (psi)	ASTM D751	300
Low Temperature (°F)	ASTM D-2136 1/8" mandrel	-25 F
Dimensional Stability (%)	ASTM D1204	1
Water Extraction (%)	ASTM D3083	<0.5
Coefficient of Thermal Expansion mm/mm°C	ASTM D696	1.4x10 ⁻⁵
Seams:		
Peel Strength (lbs/in, min)	ASTM D-882	20/FTB

These data are based on tests believed to be reliable. However, these are laboratory tests that may not simulate actual use conditions. They are provided for your informational purposes only. No warranty, express or implied, including any other further warranty of fitness for a particular purpose or merchantability, is made by this promotional literature

Preserving water resources for future generations