



The Liner Company

SOLUTIONS

ENVIRONMENTAL PROTECTION, INC.

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35 mil Reinforced UltraTech Specifications

CHEMICAL RESISTANCE:

ASTM D-471

(Total immersion for 3 days at 72°F ± 4°F)

FLUID	Typical Change in mass
ASTM Fuel A	5%
ASTM Fuel B	20%
CRUDE OIL	2.5%
#2 Diesel Fuel	1%

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 calendaring, with each ply laminated to the next ply through the openings in the scrim weave to produce a pinhole-free membrane.

The open-weave supporting fabric has a 16 x 8, 2:1 leno weave 140 warp/250 fill denier (8 x 8 - 250d) construction. 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	.032"
Thickness (Typical Average)		.035"
Thickness over scrim	Optical	11
Tensile properties	ASTM D-751	
1. Breaking pounds (grab method)		80
2. Elongation at break (%)		120
Tear Propagation (lb) (tongue tear)		8
Hydrostatic Resistance (psi, min)	ASTM D-751(A)	80
Puncture Resistance (lb)	FTMS 101B (Method 2031)	140
Ply Adhesion (lb/in)	ASTM D413(A)	8
Ozone Resistance (1/8" bent loop, 100 pphm, 104F, 7days)	ASTM D-1149	No cracks @ 7x
Low Temperature (°F)	ASTM D-2136 1/8" mandrel, 4 hrs	-20 F
Factory Fabricated Seams:		
Peel Strength (lbs/in, min)	ASTM D-882	10/FTB
Shear Strength (lbs) 2/12/98	ASTM D-751 (Modified)	80

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

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