

HDPE Alloy Geomembrane Liner: 20 Mil



Property	ASTM Test Method	U.S. Value	Metric Value
Weight	D-751	76 LB/1000 FT ²	37 KG/100 M ²
Thickness	D-5199	20 MIL	.508 MM
Load @ Yield	D-882	33 LBF	147 N
Load @ Break	D-882	72 LBF	320 N
		3775 PSI	26 MPA
Elongation @ Break	D-882	650 %	650 %
Tongue Tear	D-2261	27 LBF	120 N
Trapezoidal Tear	D-4533	40 LBF	178 N
PPT Resistance	D-2582	50 LBF	222 N
Dart Impact Strength	D-1709	3.5 LBS	1.6 KG
Puncture Strength	D-4833	44 LBS	196 MPA
Permeability	E-96	.0143 Grain/Hr*Ft ² in.Hg	

Features

- High density, cross-laminated polyethylene resists punctures and tears.
- UV stabilized to withstand prolonged exposure to sunlight.
- HDPE Alloy is not prone to environmental stress-cracking (ESC) so it can endure repeated thermal expansion & contraction cycles.
- FDA and USDA Approval for all grades, 4 mil to 20 mil Inclusive. This material is of polyolefinic nature and as such has been used in Food Contact Surfaces as well as Medical Applications for humans. Meets FDA requirements for Indirect Food Additives and for GRAS (Generally Recognized as Safe) under FDA-HFF-335 title 21 Code of Federal Regulations, Sections 177.1500 to 177.2000, inclusive.
- Meets ASTM standard D-3083 Soil Burial test performance requirements.

The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, expressed or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

