

**Technical Specification of Low Density Polyethene (LDPE) Geomembrane/ Liner**  
**As per BIS 2508:1984 (Up-To-Date)**

Sr. No.	Properties	Unit	Values		
1	Thickness	Micron	250	300	500
2	Tolerance on Thickness	%	±20	±20	±20
3	Width	Meter	9.0	9.0	7.0
4	Density	gms/cc	0.930	0.930	0.930
5	Tensile strength at break MD Max	Kg/cm <sup>2</sup>	180	187	185
6	Tensile strength at break TD Max	Kg/cm <sup>2</sup>	185	183	161
7	Elongation at break MD Max	%	502	505	423
8	Elongation at break TD Max	%	670	664	550
9	Dart Impact Test	gms	Pass	Pass	Pass
10	Tear Resistance MD (Elmendorf Method)	gms	2050	2150	2250
11	Tear Resistance TD (Elmendorf Method)	gms	2150	2300	2550
12	Carbon black content	%	2.5±0.5	2.5±0.5	2.5±0.5
13	Carbon black dispersion		Satisfactory	Satisfactory	Satisfactory

M.D: Machine Direction T.D: Transverse Direction

**Note: Higher Test Values in one or more tests can be made available to meet individual customer requirements.**