

Technical Specification of High Density Polyethylene (HDPE) Geomembrane/Liner
As per ASTM D (Up-To-Date)

Sr. No.	Properties	ASTMD	Unit	Value			
				250	500	1000	1500
1	Thickness	5199	Micron	250	500	1000	1500
2	Tolerance on Thickness		%	±20	±20	±20	±20
3	Width		Meter	9.0	7.0	7.0	7.0
4	Density	1505	gms/cc	0.94	0.94	0.94	0.94
5	Tensile strength at break MD Max	638	Kg/cm ²	260	262	225	245
6	Tensile strength at break TD Max	638	Kg/cm ²	250	253	210	-
7	Elongation at break MD Max	638	%	550	545	550	630
8	Elongation at break TD Max	638	%	600	600	625	-
9	Tear Resistance at break MD Max	1004	Kg	3.2	7.0	11.0	14.0
10	Tear Resistance at break TD Max	1004	Kg	3.0	5.0	-	-
12	Puncture Resistance Max	4833	Kg	11	20	26	36
13	Carbon black content	1603	%	2.5±0.5	2.5±0.5	2.5±0.5	2.5±0.5
14	Carbon black dispersion	3015		Satisfactory	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.