

HDPE geomembrane technical data sheet

No.	Item	Test Value						
		0.75m	1.0 mm	1.25 mm	1.5 mm	2.0 mm	2.5	3.3mm
1	Minimum Density(g/cm ³)	0.939						
2	Tensile Property							
	Strength at yield,N/mm	11	15	18	22	29	37	44
	Strength at break ,N/mm	20	27	33	40	53	67	80
	Elongation at yield,%	12						
	Elongation at break,%	700						
3	Tear Resistance N	93	125	156	187	249	311	374
4	Puncture Resistance N	240	320	400	480	640	800	960
5	Stress Crack Resistance, hrs	300						
6	Carbon Black							
	Carbon Black Content, %	2.0-3.0						
	Carbon Black Dispersion	1 or 2						
7	Oxidation Induction							
	Standard OTI Min	100						
	High Pressure OTI Min	400						
8	Impact Cold Crack at -70°C	Pass						
9	Water vapor permeability (g.cm/cm ² .s.Pa)	≤1.0×10 ⁻¹⁶						
10	Dimensional Stability (%)	±2						