



HDPE Geomembrane

Description:

The HDPE geomembrane shall be made of high density polyethylene (HDPE). Our high density polyethylene (HDPE) geomembranes provide an impermeable barrier against a wide range of solids and liquids. They exhibit excellent chemical resistance, impermeability, and high yield and welded seam strengths.

Technical data sheet: (GL17 standards)

Items	Test Value							
	0.30 mm	0.50 mm	0.75 mm	1.00 mm	1.25 mm	1.50 mm	2.00 mm	2.50 mm
Density (g/cm ³)	≥0.940							
Tensile Break Strength N/mm	≥5	≥8.5	≥12.7	≥17	≥15.5	≥17.5	≥36	≥35
Elongation at Break, %	≥450							
Tear Resistance, N	≥24	≥40	≥60	≥80	≥100	≥120	≥160	≥200
Carbon Black Content, %	2.0~3.0							
Carbon Black Dispersion	3 level can't more than 1,4 level and 5 level are not allowed in 10 data.							
Low temperature impact brittle at -70°C	Pass							
Vapour permeability coefficient, g/(cm ² .s.pa)	≤1.0 x10 ⁻¹³							
Dimensional stability	±2.0							

Application:

1. Municipal environmental projects , water conservancy projects
2. Landfill cap(closures), mining heap leach pads
3. Pond liner, canal linings, tank linings, raw water treatment reservoirs, retention ponds,
4. Waste water treatment lagoon, secondary containment
5. solid waste landfills, Hazardous waste landfills

