



HDPE GEO MEMBRANE

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HDPE GEO MEMBRANE

TECHNICAL DATA SHEET

Musa Poly Pack HDPE Geomembrane is a high-quality liner that is highly acclaimed for its excellent UV and chemical resistance. Whether it's for waste containment, mining, or agricultural applications, HDPE Geomembrane is an essential choice for its reliability and long-lasting performance. HDPE Geomembrane is not only easy to install but also requires low maintenance, providing a reliable solution for your seepage control needs.

Applications

- **Landfills:** HDPE geomembranes are widely used in landfill applications for lining and capping systems to prevent leachate contamination and control gas emissions.
- **Mining:** They are used in mining operations for heap leach pads, tailings storage facilities, and containment ponds to prevent seepage and environmental contamination.
- **Agriculture:** HDPE geomembranes are used in agricultural applications such as irrigation canals, reservoirs, and wastewater treatment ponds to store and distribute water effectively.
- **Water and Wastewater:** They are employed in water and wastewater treatment plants for lining basins, tanks, and channels to prevent leakage and ensure proper containment of liquids.

HDPE Geomembrane-GM 13 (ASTM) Standard

Properties		Test Method	Test Value			
			0.5mm	1mm	1.5mm	2mm
Density (min)		D 1505/ D792	0.94g/cc	0.94g/cc	0.94g/cc	0.94g/cc
Tensile Properties(1)(min.ave)						
(i)	Yield Strength	D 6693	11 KN/m	15 KN/m	22 KN/m	29 KN/m
(ii)	Break Strength	D 6693	20 KN/m	27 KN/m	40 KN/m	53 KN/m
(iii)	Yield Enongation	D 6693	12%	12%	12%	12%
(iv)	Break Elongation	D 6693	700%	700%	700%	700%
Tear Resostamce (min. ave)		D 1004	93 N	125 N	187 N	249 N
Carbon Black Content - &		D4218(3)	2-3%	2-3%	2-3%	2-3%

Pond Liner

Pond Liner is an impenetrable, water-repellent geomembrane used to retain liquids. It is used as a lining of reservoir, retention basins, hazardous and nonhazardous confinements, ponds or garden ponds, artificial streams.

HDPE Pond liner

This is made of high-density polyethylene and is very strong and stiff. Suitable for large ponds. Resistant to lengthwise tears and can resist a wide range of chemicals. Used mainly in chemical contaminants, landfills, and also used in ponds since it is suitable for fish and aquatic plants.

