

MIPATEx

HDPE GEOMEMBRANE

RETENTION | COVERING | CONTAINMENT



IS 15351:2015



CM/L-7500232613

MIPATEX HDPE GEOMEMBRANE

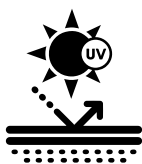
HDPE geomembrane is used for lining applications. Mipatex HDPE Geomembrane can be used for many different projects including pond liner, landscaping, retaining walls, drains, erosion control, gardening, aquafarming, rainwater harvesting, construction projects and many more. Mipatex HDPE Geomembrane is ideal for ponds of all sizes with steep or gentle sloping sides, tight corners, contours and shelving. This lightweight liner is easy to install.

Mipatex HDPE Geomembrane is manufactured using extrusion coating technology with multilayered high strength HDPE Geomembrane fabric laminated with LDPE, special UV stabilizers and other additives. Mipatex Geomembranes are durable, cost-effective and one of the most preferred products for lining projects requiring extra tensile strength, tear strength, excellent flexibility, stress cracking resistance, hydrostatic resistance, chemical resistant, ultraviolet resistance and aging resistance from the intense stresses of weather. Mipatex HDPE geomembrane is used in a wide range of applications.

Features:



HDPE Material



UV stabilized



100% recyclable



Leakageproof



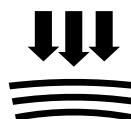
Flexible



Durable



Tear-Resistant



Hydrostatic
Pressure Resistant



Easy To Install





Easy Installation

- The Installation of HDPE geomembrane is performed by a heat sealing machine.
- These welds/joints are virtually stronger than the sheet itself.

Long Service life

- Our formulation and production process makes HDPE Geomembrane extra sturdy and aging resistant.
- Provides maximum performance in all climates and environmental conditions.



Easy Repairable

- Mipatex HDPE geomembrane liners are easily repaired and welded throughout their entire life.
- We provide repairing & Installation services if needed directly to your site.

FEATURES

- High tensile strength
- Excellent chemical resistance
- Outstanding stress crack capacity
- Lowest permeability
- Excellent UV resistance
- Stable low-temperature embrittlement resistance
- Highly durable, Tear resistance & Flexible
- Advanced welding system
- Easy Installation

APPLICATIONS

- **Farm Ponds**
Aquaculture ponds
Irrigation canals and ponds
Algae/Azolla harvesting ponds/Liner
- **Water Management**
Landfill reservoirs
Golf course ponds
Canal linings
Settling basins
- **Civil/Urban**
Road Construction
Fire reservoirs
Drainage systems
Waste water containment

TECHNICAL INFORMATION

HDPE GEOMEMBRANE

MIPATEX HDPE Geomembrane Pond Liners are made as per IS 15351 : 2015, and approved by the Bureau of Indian Standards.



PROPERTY	METHOD OF TEST	TYPE I	TYPE II	TYPE III	TYPE IV
Thickness (mm)	IS : 7016 (Part 1)	0.30	0.55	0.76	1.10
Mass (g/m ²)	IS : 7016 (Part 1)	270	425	655	955
Carbon black contents (%)	IS : 2530	2.5	2.5	2.5	2.5
Breaking Strength (N)	IS : 13162 (Part 5)	4500 4300	7500 7000	10000 9500	13700 14500
Impact failure load (Gf)	Annex C	1400	2000	3500	4500
Tear resistance (N)	Method A1 of IS 7016 (Part 3)	150	285	325	375
Puncture resistance (N)	Annex D	340	550	900	1000
Bursting strength (Ball burst) (N/cm ²)	IS : 7016 (Part 6)	80	130	210	290
Seam strength (N/mm)	IS : 15060	18	35	45	460
Hydrostatic resistance (Kg/cm ²)	Annex B and Annex E	14	20	25	34

*The test data is based on an average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications.

The information contained herein is accurate and reliable to the best of our knowledge and provided for reference purposes only.

FARM POND

Mipatex HDPE geomembrane pond liner is one of the proven and trusted liners by farmers in India when it comes to farm pond liners. We are a specialist manufacturer of HDPE geomembrane pond liner fabrics, which are ideal for water storage.

BENEFITS OF FARM POND

- The farm pond helps farmers harvest rainwater to provide a reliable enough, long-term water source for irrigation.
- It is a one-time investment that provided water and food security for many years by enhancing crop productivity and climate resilience.
- Water harvesting allows timely sowing and irrigation of multiple crops, helping farmers maximize their income.
- Generates employment opportunities for on-farm labor during all seasons, preventing migration and making the owner of the farm-pond a rural job-creator.



HDPE Geomembrane Application

Canal Liner



Aquaculture



Farm Pond



**Construction
Liner**



**Landscape
Liner**



Garden Pond



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