

LDPE WATER PROOFING MEMBRANE

Low density polyethylene sheet are extensively used for protection of liquid contamination, agriculture, industry and infrastructural projects. LDPE film acts as a perfect line to prevent foreign material entering ground water sources as well as prevent seepage loss in water conservation projects.

The conveyance of irrigation water in canal system often give way to water seepage and ultimately lead to loss of irrigation water.

OTHER APPLICATION:

- Agricultural purpose.
- Lining of canal, reservoir and ponds.
- Lining of Industrial Effluent plant.
- Tunnels
- Packaging and Wrapping
- Water proofing for terrace garden.
- For protection of food grains, fertilizers, cotton, chemicals, cement, constructions and power plant.
- Concrete road and bridge.
- Steel plant.



Ponds



Canal Lining

PROPERTIES OF LDPE:

- Maruti LDPE film has excellent mechanical properties.
- Saves water seepage upto 60% of total quantity of water available.
- It has a very low moisture/vapor transmission rate.
- Very good resistance against chemical and unaffected by bacterial or fungus growth.
- LDPE films have a very good resistance against ozone, oxidation, weather & water because polyethylene has a long chain of hydrocarbon which gives above properties.

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WATER RESERVOIRS



LINING

TECHNICAL SPECIFICATION OF LDPE FILM AS PER IS: 2508/2016

SL. No.	Characterstics	Unit	Specification
1.	Tensile Strength	kgf/cm ²	140 Min.
2.	Elongation at Break	%	200 Min.
3.	Carbon Black content	%	2.5 ± 0.5
4.	Carbon Black dispersion	Dispersion analyzer	No Crack
5.	Density	gm/cc	0.922 to 0.937
6.	Tear Resistance	N/mm ²	9.5 Min.
7.	Dart Impcat Load	gf	120 Min. (Normal)