

MIPATEX HDPE GEOMEMBRANE **MG-500**

MG-500 is manufactured by HDPE woven fabric laminating with LDPE using extrusion coating technology. Ideal for containment and retention applications such as pond liner and landfill covers. MIPATEX MG-500 has high tensile and tear strength, excellent heat seal property, flexibility, outstanding durability, stress cracking resistance, provide superior performance in all climatic conditions.

PROPERTY	METHOD OF TEST	REQUIRED VALUE (AS PER IS 15351:2015)	NOMINAL VALUE*
Thickness (mm), Min	IS : 7016 (Part 1)	0.50	0.55
Mass (g/m ²), Min	IS : 7016 (Part 1)	420	425
Carbon black contents (%)	IS : 2530	2.5 ± 0.5	2.5
Breaking load on 20 × 10 cm strip (N), Min before U.V exposure:			
a) Warpway	IS : 13162 (Part 5)	6600	7500
b) Weftway		6000	7000
Strain at maximum load (%)	IS : 13162 (Part 5)	20 ± 5	20 ± 5
Impact failure load, at 1524 mm drop, Min (Gf), gram force at 50 % failure	Annex C	1840	2000
Tear resistance (N), Min	Method A1 of IS 7016 (Part 3)	250	285
Puncture resistance (N), Min	Annex D	500	550
Bursting strength (Ball burst) (N/cm ²), Min	IS : 7016 (Part 6)	110	130
Seam strength before UV exposure (N/mm), Min	IS : 15060	30	35
Hydrostatic resistance Min. before UV exposure (Kg/cm ²)	Annex B and Annex E	No through leakage at 15 kg/ cm ²	20
Ash content (%), Max	Annex F	1.00	≤ 1.00

*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.



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