

MIPATEX HDPE GEOMEMBRANE **MG-300**

MG-300 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-300 has high tensile, 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)	0.25	0.30
Mass (g/m ²), Min	IS : 7016 (Part 1)	250	270
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 b) Weftway	IS : 13162 (Part 5)	3300 3000	4500 4300
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	1150	1400
Tear resistance (N), Min	Method A1 of IS 7016 (Part 3)	100	150
Puncture resistance (N), Min	Annex D	300	340
Bursting strength (Ball burst) (N/cm ²), Min	IS : 7016 (Part 6)	60	80
Seam strength before UV exposure (N/mm), Min	IS : 15060	15	18
Hydrostatic resistance Min. before UV exposure (Kg/cm ²)	Annex B and Annex E	No through leakage at 10 kg/ cm ²	14
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.



MIPA INDUSTRIES

S No. 28/1/5, Kondhwa Road, Near Hotel Garwa Hills, Yewalewadi Pisoli, Pune, Maharashtra, 411048

Phone No. +91-9923126429 / 8605512109

Toll free : 1800 419 1393

E-mail : info@mipaindustries.com | www.mipaindustries.com

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