

TECHNICAL DATA SHEET- Type I		
HDPE Geo- membrane Values	Values as per BIS (IS 15351:2015)	Actual Results
Thickness , mm, Min	0.25mm	0.33 mm
Mass , g/m <sup>2</sup> , Min	250	266 GSM
Dimensions (length & width)	As declared +1% with no negative tolerance	As declared and agreed
% carbon black content , Min	2.5 ± 0.5	2.12%
Breaking load on 20 cm x 10 cm strip N, Min before UV exposure	3300- Warp 3000-Weft	3412.8 N-Warp 3080.2 N- Weft
Strain at maximum load, percent	20 ± 5%- warp 20± 5% weft	16.11 %- warp 16.87% -weft
Breaking load on 20 cm x 10 cm strip N, Min after UV exposure of 1000h	80% of actual original value	3196.5 N- warp 2889.3N- weft
Impact failure load, at 1524 mm drop, Min, gram force at 50% failure	1150 gm	No sign of failure, PASS
Tear resistance, N, Min	100	130.45 N
Puncture Resistance, N, Min	300	531 N
Bursting strength(ball burst), N/cm <sup>2</sup> , Min	60	158 N/cm <sup>2</sup>
Seam strength before UV exposure, N/mm, Min	15	21.52 N/ mm
Hydrostatic resistance	No leakage at 10 kg/cm <sup>2</sup>	Conforms
Ash content	1%	0.52%



Survey#: 70/1(P), 70/2, 71/1(P), 71/2(P) & 71/3(P)  
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