

TECHNICAL DATA SHEET		
HDPE Geo- membrane Values	Values as per BIS (IS 15351:2015)	Actual Results
Thickness , mm, Min	0.50mm	0.58 mm
Mass , g/m <sup>2</sup> , Min	420	425 GSM
Dimensions (length & width)	As declared +1% with no negative tolerance	As declared and agreed
% carbon black content , Min	2.5 ± 0.5	2.20%
Breaking load on 20 cm x 10 cm strip N, Min before UV exposure	6600- Warp 6000-Weft	7850.4 N-Warp 7240.7 N- Weft
Strain at maximum load, percent	20 ± 5%- warp 20± 5% weft	18.2 %- warp 17.8% -weft
Breaking load on 20 cm x 10 cm strip N, Min after UV exposure of 1000h	80% of actual original value	7457.1 N- warp 6929.3N- weft
Impact failure load, at 1524 mm drop, Min, gram force at 50% failure	1840	No sign of failure, PASS
Tear resistance, N, Min	250	438 N
Puncture Resistance, N, Min	500	730 N
Bursting strength(ball burst), N/cm <sup>2</sup> , Min	110	172.4 N/cm <sup>2</sup>
Seam strength before UV exposure, N/mm, Min	30	34.08 N/ mm
Hydrostatic resistance	No leakage at 15 kg/cm <sup>2</sup>	Conforms
Ash content	1%	0.46%



Survey#: 70/1(P), 70/2, 71/1(P), 71/2(P) & 71/3(P)  
 Thandya Industrial Area, Adakanahalli Village, Nanjangud, Mysuru, Karnataka - 571 301  
 Tel.: +91-8221 229 400 | Email: mail@rishifibc.com | url: www.rishifibc.com