

## Technical Data Sheet

### Texel HDPE Geotank

Sr. No.	Properties	Unit	Test Method Reference to	Tolerance	Required Value	Obtained Value
1	No of Layer	Nos	-	-	9	9
2	Thickness,	mm	IS 7016 (Part-1)	Min.	0.75	0.80
3	Mass	G/m <sup>2</sup>	IS 7016 (Part-1)	Min.	650	655
4	Carbon Black Content	%	IS : 2530	± 0.5	2.50	2.80
5	Breaking load on 20 x 10 cm Strip, Before UV Exposure, Warp and Weft	N	IS :13162 :1992(Part-5) as in IS: 15351:2015	Min.	9500	10200
					9000	10000
6	Elongation at Break	%	IS :13162 :1992(Part-5) as in IS: 15351:2015	± 5	20	22
						20
7	Breaking load on 20 x 10 cm Strip, after U.V exposure of 1000 hour (Xenon ARC), for warp and weft,	N	IS :13162 : 1992 (Part-5) as in IS: 15351:2015	-	Not less than 80% of Sr. No.5	8600
						8400
8	Bursting Strength (Ball Burst)	N/cm <sup>2</sup>	IS: 7016:1984 (part 6), as in IS:15351:2015	Min.	170	190
9	Puncture Resistance	N	Annex D of IS:15351:2015	Min.	650	700
10	Tear Resistance	N	Method A1 of IS 7016 (Part-3)	Min.	300	400
11	Seam strength, Before UV Exposure	N/mm	IS:15060	Min.	45	50
12	Seam strength After UV Exposure of 1000h ,(not less than 80% of Sr. No. 11)	N/mm	Annex B & IS:15060 as in IS:15351:2015	-	Not less than 80% of Sr. No.11	47
13	Hydrostatic Resistance Before UV Exposure	Kg/cm <sup>2</sup>	Annex E as in IS:15351 :2015	Min.	No leakage at 30 kg/cm <sup>2</sup>	45
14	After UV Exposure of 1000h Hydrostatic Resistance (Test specimen with joint), (not less than 80% of Sr. No. 13)	Kg/cm <sup>2</sup>	Annex-E & Annex B of IS:15351:2015	-	Not less than 80% of Sr. No.13	42
15	Impact failure load at 1524 mm Height	gf	Annex C as in IS:15351:2015	Min.	No failure up to 2500	2800