

Technical Specification

Sr. No.	Test Property	Test Result				Test Method
		Type I	Type II	Type III	Type IV	
1	Thickness (mm), Min	0.25	0.50	0.75	1.00	IS 7016 (Part I)
2	Mass (g/m ²), Min	250	420	650	950	
3	Carbon Black Content, percent	2.5% ± 0.5				IS 2530
4	Breaking load on 20x10 cm strip, N, Min before UV exposure:					IS 13162 (Part V)
	a) Warpway	3300	6600	8200	10700	
	b) Weftway	3000	6000	7400	9700	
5	Strain at maximum load, percent.	20 ± 5	20 ± 5	20 ± 5	20 ± 5	
6	Breaking load on 20x10 cm strip, N, Min, after UV exposure of 1000 h for warp & weft	80% of the actual original value				Annex B & IS 13162 (Part V)
7	Impact failure load, at 1524 mm drop, Min, gram force at 50% failure	1150	1840	2875	4025	Annex C
8	Tear resistance, N, Min	100	250	300	350	Method A1 of IS 7016 (Part 3)
9	Puncture resistance, N, Min	300	500	725	900	Annex D
10	Bursting strength (Ball burst), N/cm ² , Min	60	110	135	200	IS 7016 (Part 6)
11	Seam strength before UV exposure (N/mm), Min	15	30	40	42	IS 15060
12	Seam strength after UV exposure (N/mm), Min	80% of the actual original value				Annex B & IS 15060
13	Hydrostatic resistance	No leakage at 10 Kg/cm ²	No leakage at 15 Kg/cm ²	No leakage at 20 Kg/cm ²	No leakage at 25 Kg/cm ²	Annex E
14	Hydrostatic resistance after UV exposure of 1000 h	80% of the actual original value				Annex B & Annex E
15	Ash Content, percent, max	1%	1%	1%	1%	Annex F

Note: 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.