

\* TECHNICAL PARTICULARS OF LIGHT WEIGHT FABRIC NYLON, 48 GSM  
FOR HDS-16T

S. No.	Test Parameters	Specified Value	Test Method
1	Roll length, m, min.	100 or as agreed between buyer & seller	IS: 4726, Clause 8.1(f)
2	Width, cm, min.	120 or as agreed between buyer & seller	IS: 1954
3	Mass, gsm	48±2	IS: 1964
4	Thickness at 200 g/cm <sup>2</sup> pressure, mm, max.	0.10	IS: 7702
5	Breaking Strength (test strip 5 x 20 cm), kgf, min, both ways	60	IS: 1969
6	Extension at break, %, min, both ways	20	IS: 1969
7	Tearing Strength, kgf, min, both ways	2.3	IS: 4726 (App. D)
8	Air Permeability, cm <sup>3</sup> /cm <sup>2</sup> /sec at 10" WHP	488±91	IS: 4726 (App. A)
9	Nominal Linear Density of yarn, Tex, both ways	5	IS: 3442
10	Weave	2/1 Twill	Visual
11	Material	Bright, High Tenacity (more than 6.5 gpd), Multifilament, Industrial Grade, Heat & UV Stabilized Nylon 6,6 Yarn	IS: 5762
12	Colour fastness - For Dyed Fabric i. To light (Xenon Lamp) ii. To washing	As per IS: 2454 As per IS: 3361	-- --
13	Constructional Particulars a) Thread density per cm, Both Ways b) TPM, Both Ways	45±1% Spin twist	IS: 1963 IS: 832

**Note:**

- These technical particulars have been drawn taking reference from ADRDE specification no. ADRDE/SPECN/2002/56(b) for specific use only in HDS-16T Para system.
- After ensuring the repeatability of these specified parameters in first bulk production, the above-referred ADRDE specification may be taken up for amendment or upgradation.

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2/2<sup>nd</sup>