

TECHNICAL PARTICULARS FOR FABRIC NYLON, 90 GSM, DYED/UNDYED

S. No.	Test Parameters	Specified Value	Test Method
1	Roll length, m, min.	100 or as agreed between buyer & seller	IS: 1954
2	Width, cm, min.	120 or as agreed between buyer & seller	IS: 1954
3	Mass, gsm	90±3	IS: 1964
4	Thickness at 200 g/cm ² pressure, mm, max	0.2	IS: 7702
5	Breaking Strength (test strip 5 x 20 cm), kgf, min, Both ways	120	IS: 1969
6	Extension at break, %, min, Both ways	20	IS: 1969
7	Air Permeability, cm ³ /cm ² /sec at 10" WHP	535±70	IS: 4726 (App. A)
8	Nominal Linear Density of yarn, Tex, Both ways (Tolerance: -3 to +8%)	16.67x1	IS: 3442
9	Thread density per cm, Both ways (suggested)	27	IS: 1963
10	Twist (TPM), Both ways	Any yarn twist (warp & weft) is acceptable, provided all requirements for this specification are met	IS: 832
11	Weave	Plain	Visual
12	Material	Bright, High Tenacity, Multifilament, Industrial Grade, Heat & UV Stabilized Nylon 66 Yarn	IS: 5762
13	Colour Fastness to Light*	5 or better	IS: 2454
14	Colour Fastness to Washing*	4 or better	IS: 687
15	pH value	5.5-8.5	IS 1390 Cold Method

*: applicable for dyed varieties

Note: These technical particulars are drawn after limited production and these may undergo certain amendments after bulk production, if required.

Dev Kishan Bairwa
Dev Kishan Bairwa
Scientist 'B', TG(TE)

Gaurav Singh
Gaurav Singh
Scientist 'F', GD, TG(TE)

Prasanta K. Mallik
Prasanta K. Mallik
Scientist 'D', TG(TE)

Recd. vide email dt - 05/05/21