

TECHNICAL PARTICULARS FOR TAPE ELASTIC, 50 MM, HEAVY DUTY

Sl. No.	Parameters	Specified value		Test Method
1	Length	5 m or multiples or as agreed between buyer & seller		IS: 1954
2	Width, mm	50±5		IS: 1954
3	Thickness, mm	3.0±0.5		IS: 7702
4	Manufacturing Method	The tape should be knitted, woven or braided uniformly. The rubber threads should be of uniform size & quality and should be equally spaced across the width of the tape. The tape should be of uniform width.		Clause 3.1 of IS: 9686
5	Material	<u>Rubber threads</u> – of square section, made from first grade Hevea rubber; or of round section, made from high grade rubber latex. <u>Textile yarn</u> – From industrial grade, high tenacity nylon or polyester yarn.		Clause 2.1 of IS: 9686
6	Ageing - For acceptance testing. (The specimens shall be heated in a dark, electrically heated air-oven at a temp of 70±10°C for not less than 96 hrs)	Before Ageing	After Ageing	A-3 of IS: 9686
7	Load at 50% Extension, gf	4000 – 7000	3000 – 5250	A-6 of IS: 9686
8	Limit of Useful Extension, %, min	50		A-6 of IS: 9686
9	Tension Decay, %, max	10	20 (There shall also be no sign of rupture of any of the rubber threads)	A-7 of IS: 9686
10	Fatigue Test	When stretched & relaxed 500 times, there shall be no sign of rupture of any of the rubber threads.	When stretched & relaxed 300 times, there shall be no sign of rupture of any of the rubber threads.	A-8 of IS: 9686
11	Colour Fastness a) Light b) Washing	4 or better 4 or better		IS: 2454 IS: 3361

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