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भारतीय मानक ब्यूरो
भारतीय मानक में संशोधन का मसौदा

आई एस 3566 : 2023 वस्त्रादि — विस्कोस रेयॉन कट स्टेपल (स्पन) धागे — विशिष्टि
(दूसरा पुनरीक्षण)
संशोधन - १

BUREAU OF INDIAN STANDARDS
Draft Amendment to Indian Standard

Amendment No. 1
To
IS 3566 : 2023 Textiles — Viscose Rayon Cut Staple (Spun) Yarn —
Specification

(Second Revision)

Last date of receipt of comments: 03 June 2024

(Foreword, Paragraph 2, sentence 1) — Substitute the following for existing:

‘Viscose cut staple spun yarn is a type of yarn manufactured from ring spinning, Airjet spinning and air vortex spinning of viscose staple fibres’

(Page 1, Clause 1.1, Scope) — Substitute the following for existing:

‘**1.1** This standard specifies the requirement of 100 percent viscose cut staple ring spun, air vortex spun, and airjet spun yarn.’

(Page 1, Clause 3.4) — Substitute the following for existing

‘**3.4 Airjet Spinning** — Airjet spinning is a type of open-end spinning, which is a method used to produce yarn from staple fibres. In this spinning process, drafted fibres are introduced into a spindle by high-speed airflow to insert twist into the yarn.’

(Page 1, Clause 3.5) — Insert the following clause after clause 3.5

‘3.6 Air vortex spinning — Air vortex spinning is a textile yarn manufacturing technique that utilizes the air vortex to impart twist in yarn. In this process, staple fibers are subjected to high-speed air currents formed by two nozzles creating vortexes in opposite direction.’

(Page 1, Clause 4) — Insert the following after the clause and renumber the existing clause as 4.1

‘4.2 Conditioning and Testing — The test specimens shall be conditioned in the standard atmosphere of $27 \pm 2^\circ\text{C}$ temperature and 65 ± 4 percent relative humidity.’

(Page 1, Clause 5.1, Title) — Substitute ‘Airjet’ for ‘Vortex/Airjet’

(Page 1, Clause 5.1, line 1) — Substitute ‘Airjet’ for ‘Vortex/Airjet’

(Page 2, Table 1, Title) — Substitute ‘Airjet’ for ‘Vortex/Airjet’

(Page 3, Clause 5.2) — Insert the following clause after clause 5.2 and renumber the subsequent clauses:

‘5.3 Viscose Air vortex spun yarn

Table 3 Requirements of 100 Percent Viscose Air Vortex Yarn
(Clause 5.3)

Sl. No.	Characteristics	Count of Yarn, Tex (Ne)				Method of Test, Ref to
		> 29.5 tex (< 20s)	> 19.6 to 29.5 tex (20s - < 30s)	> 14.7 to 19.6 tex (30s - < 40s)	≤ 14.7 tex (≥ 40s)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
i)	Count, Ne	As declared with a tolerance of ± 3.0 percent	As declared with a tolerance of ± 3.0 percent	As declared with a tolerance of ± 3.0 percent	As declared with a tolerance of ± 3.0 percent	IS 1315
ii)	Count CV, Percent, <i>Max</i>	2.2	2.2	2.2	2.2	IS 1315
iii)	CSP, <i>Min</i>	1700	1700	1650	1650	IS 1671

iv)	Lea breaking Load CV, Percent, <i>Max</i>	5.5	5.5	6	6	IS 1671
v)	Yarn tenacity, cN/tex, <i>Min</i>	11.5	11.5	11.0	11.0	IS 1670
vi)	Yarn tenacity CV, percent, <i>Max</i>	9.5	10.5	11.0	11.5	IS 1670
vii)	Breaking elongation, percent, <i>Min</i>	11.0	9.5	9.0	9.0	IS 1670
viii)	Unevenness, percent, <i>Max</i>	10.2	11.3	12.1	12.9	IS 16576
ix)	Unevenness CV, percent, <i>Max</i>	11.8	13.7	15.2	16.1	IS 16576
x)	Hairiness index, <i>Max</i>	6.2	5.0	4.5	4.0	Annex C
xi)	Imperfections/km, <i>Max</i>					IS 16576
	Thin (-50%)	6	17	35	61	
	Thick (+50%)	20	44	76	116	
	Neps (+200%)	23	40	59	80	
	Total	49	101	170	257	
NOTE — The requirement for hairiness index shall be applicable for doubled yarns also.						

(Page 4, clause 5.3, sentence 1) — Substitute the following for existing:

‘The single yarn used for producing multifold yarn shall satisfy the requirements specified in 5.1, 5.2 and 5.3

(Page 4, clause 5.3.6) — Substitute the following for existing:

‘The requirement for hairiness index as specified in SI No. (x) of Table 1, SI No. (xi) of Table 2 and SI No. (x) of Table 3 shall be applicable for airjet multifold yarn, ring multifold yarn and air vortex multifold yarn respectively. The hairiness shall be tested as per the method prescribed in Annex C.’