AMENDMENT NO. 1 SEPTEMBER 2024

TO

IS 3566 : 2023 TEXTILES — VISCOSE RAYON CUT STAPLE (SPUN) YARN — SPECIFICATION

(Second Revision)

(*Foreword*, *para* 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**) — 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 after **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 °C ± 2 °C temperature and 65 percent ± 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 after **5.2** and renumber the subsequent clauses:

'**5.3 Viscose Air Vortex Spun Yarn**

Price Group 2

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 (< 20 s)	> 19.6 to 29.5 tex (20 s to < 30s)	>14.7 to 19.6 tex (30 s to < 40 s)	≤ 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, *Max*	2.2	2.2	2.2	2.2	IS 1315
iii)	CSP, *Min*	1 700	1 700	1 650	1 650	IS 1671
iv)	Lea breaking load CV, percent, *Max*	5.5	5.5	6	6	IS 1671
v)	Yarn tenacity, cN/tex, *Min*	11.5	11.5	11.0	11.0	IS 1670
vi)	Yarn tenacity CV, percent, *Max*	9.5	10.5	11.0	11.5	IS 1670
vii)	Breaking elongation, percent, *Min*	11.0	9.5	9.0	9.0	IS 1670
viii)	Unevenness, percent, *Max*	10.2	11.3	12.1	12.9	IS 16576
ix)	Unevenness CV, percent, *Max*	11.8	13.7	15.2	16.1	IS 16576
x)	Hairiness index, *Max*	6.2	5.0	4.5	4.0	Annex C
xi)	Imperfections/km, *Max*					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 Sl No. (x) of Table 1, Sl No. (xi) of Table 2 and Sl 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.'

(TXD 31)

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