



VIRAJ SYNTEX PVT. LTD.



Regd. Office: C-36, UPSIDC Industrial Area, Rooma, Kanpur-209402 (UP) India | E-Mail: lab.rooma@virajsyntax.com | Website: www.virajsyntax.com

Technical Test Certificate - MIL Spec.& PIA - Tapes/Webbings/Elastics

1	Item Name :	Tape Para Aramid 1.00" BS 4000 Pound Yellow						Attach Below Item Image			
2	Report No :	VSPL/TTC/NWF/01		Date :	05.09.2026						
3	Customer Name :	Viraj Syntex Pvt. Ltd.		Our Item Code :	NWFS-PIA-9048 YLW						
4	Customer Part No. :	N/A		Po. No. & Date :	N/A						
5	MIL Specification No :	PIA-T-87130		Type & Class :	VI & 8						
6	Loom Type :	Shuttle Loom		Job No & Date :	Sample Test Report						
7	Sample Tested :	5		Qty/Lot Size :	As Per Requirement						
Sr	DETAILS	Unit	Specn Requirements	Tolerance	Test Results 1	Test Result 2	Test Result 3	Test Result 4	Test Result 5	Test Results (Av)	Test Method
1	Width :	inch	1.000	± 0.0625	0.984	0.986	0.983	0.984	0.985	0.984	ASTM D 3774 Option B
2	Weight / Meter :	oz./yd	0.550	max.	0.494	0.492	0.495	0.495	0.494	0.494	ASTM D 3776 Option D
3	Thickness /Unit :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D 1777 Option 2
4	Picks / Unit :	inch	12	min.	13	13	13	13	13	13	ASTM D 3775
5	Warp Yarns / Unit :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5050
6	Break Strength & Test Graph :	lbs.	4000	min.	4073	4106	4096	4078	4110	4093	PIA 4108 - Graph Attached
7	After Abrasion Break Strength (Pound) & Test Graph :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5309 & 4108- Graph Attached
8	Elongation at BREAK :	%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PIA 4108 - Graph Attached
	at WLL :	%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	Material Type & Den/Ply/TPM of Warp 1 :	Para Aramid	1500/2/80	N/A	Para Aramid	1500/2/80	N/A	N/A	N/A	1500/2/80	ASTM D 3775
	Warp 2 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Warp 3 (Rubber) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Weft :	Para Aramid	1000/1/N/A	N/A	Para Aramid	1000/1/100	N/A	N/A	N/A	1000/1/100	
	Binder :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Stuffer :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Lock :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10	Ends in full Width :		Ends		Ends						
	Warp 1 :	N/A	39	min.	39	N/A	N/A	N/A	N/A	39	ASTM D 3775
	Warp 2 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Warp 3 (Rubber) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Weft :	N/A	1	N/A	1	N/A	N/A	N/A	N/A	1	
	Binder :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Stuffer :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Catch-Cord (Lock) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Weave :	N/A	Plain	N/A	Plain	N/A	N/A	N/A	N/A	Plain	Visual
12	Warp Yarn Filling type :	N/A	Double	N/A	Double	N/A	N/A	N/A	N/A	Double	Visual
13	Weft Yarn Filling type :	N/A	Single	N/A	Single	N/A	N/A	N/A	N/A	Single	Visual
14	Shade & Shade Code :	N/A	Yellow (YLW)	N/A	Yellow (YLW)	N/A	N/A	N/A	N/A	Yellow (YLW)	Visual
	Spectrophotometer Average five Readings (LxAxB) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC TM 173:2015 D65/10°
	Shade Difference (ΔE) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC TM 173:2015 D65/10°

>>>> Cont. on Page 2

1	Item Name : Tape Para Aramid 1.00" BS 4000 Pound Yellow						Attach Below Item Image				
2	Report No : VSPL/TTC/NWF/01		Date : 05.09.2026								
3	Customer Name : Viraj Syntex Pvt. Ltd.		Our Item Code : NWFS-PIA-9048 YLW								
4	Customer Part No. : N/A		Po. No. & Date : N/A								
5	MIL Specification No : PIA-T-87130		Type & Class : VI & 8								
6	Loom Type : Shuttle Loom		Job No & Date : Sample Test Report								
7	Sample Tested : 5		Qty/Lot Size : As Per Requirement								
Sr	DETAILS	Unit	Specn Requirements	Tolerance	Test Results 1	Test Result 2	Test Result 3	Test Result 4	Test Result 5	Test Results (Av)	Test Method
15	Fastness To Washing (Laundering) :										
	Color Change	N/A	3-4	min.	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 61/TEST 1A
	Colour Staining	N/A	3-4	min.	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 61/TEST 1A
	Light :	N/A	3-4	min.	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 16 Option 1
	Rubbing (Crocking) Wet & Dry :	N/A	3.5	min.	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 8
	Perspiration :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	Residual Shrinkage :	%	2.0	max.	N/A	N/A	N/A	N/A	N/A	N/A	See Clause 4.5.4
17	Melting Point of Yarn :	(°F)	473	min.	N/A	N/A	N/A	N/A	N/A	N/A	Visual
18	Curvature :	Inch	0.25	max.	N/A	N/A	N/A	N/A	N/A	N/A	Para 4.5.3
19	pH :	N/A	5.5-9.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 81
20	BS After Resistance to Light (Kgf) :	lbs.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM G 151, ASTM G 155 & PIA-TM-4108
	BS Loss % After Resistance to Light (Xenon Arc) :	min.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM G 151 & ASTM G 155
21	BS After Resistance to Heat (Kgf) :	lbs.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D 1776 & PIA-TM-4108
	BS Loss % After Resistance to Heat (Oven) :	min.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D 1776
22	Remarks :										
	Remarks :										
	Remarks :										
Over All Test Result :		Pass				Lot Size	Unit	Sampling	Lot Size/Unit	Sampling	
Prepared By (Asst. Lab.)		Date : 5/9/26				800 or less	Mtr	2	5,001 & 22,000	5	
Checked & Approved By (Lab/QC Inch.)		Date : 5/9/26				801 up to 5,000	Mtr	3	22,001 and Over	7	
Doc.no : VSPL/LAB (MIL TTC)/31 REV:00/01.12.22											

Lab/Q.C. Incharge

VIRAJ SYNTEX (PVT.) LTD

(An ISO 9001 : 2015 Certified Company)

C-36, UPSIDC Industrial Area, Rooma, Kanpur-209402 (U.P.) INDIA

TEL : +91-9839905653, FAX : +91-512-2691283

WEB : www.virajsyntex.com E MAIL : lab.rooma@virajsyntex.com

**TEST REPORT**

Tensile / Breaking Load & Elongation Test - Tapes/W ebbings			
Report No. :	VSPL/TT/26-27/01	Date :	09/05/2026
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	10:05:06 AM
Item Detail :	Tape Para Aramid 1.0" BS 4000 Pound	M/C Capacity (Kg f) :	20,000
Item Code :	NWFS-PIA-9048 YLW	WLL(Kgf) :	N/A
Sample No. :	001	Batch No. :	Sample
Test Specification :	PIA-T-87130 (T-6,C-8)	Grip Distance (mm) :	250
Test Procedure No. :	PIA-TM-4108	Traverse Speed (mm/min) :	75

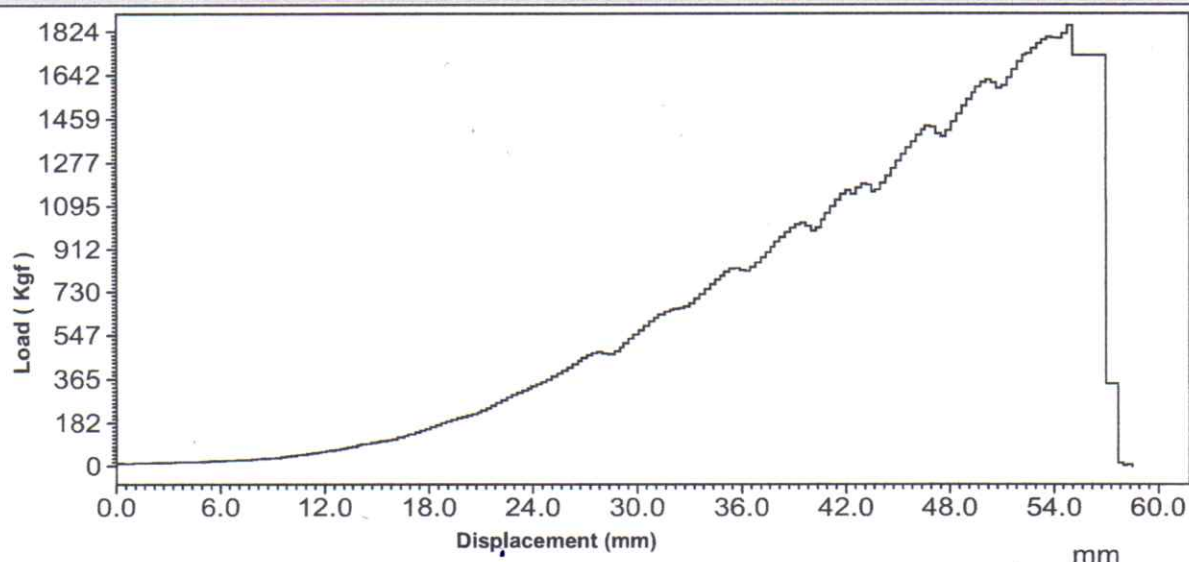
Test Discription

The test sample shall be centrally clamped between the upper fixed grip and lower moving desired type of grips of the sample and as per required grip distance and traverse speed so that the longitudinal axis of the sample is at right angles to the edges of the grips after pretension. Please refer following Specifications for determination of Breaking Load_Elongation at break.

Test Exceptions / Deviations , If Any :

TEST RESULTS

Test Parameter	Results	Required
Tensile / Breaking Peak Load (Kg f) :	1849	1816 min
Elongation at Break (mm) :	58.5	N/A
Elongation % at N/A Kg f / WLL :	N/A	N/A
Elongation % at 1849 Kg f / Peak Load :	N/A	N/A

TEST GRAPH

Final Test Results :	PASS ✓	FAIL
----------------------	--------	------

Test Comments / Remarks :

Tested By (Lab Assistant) : Name Amyra Shrivastava Signatures [Signature]
 Checked By (Lab/QC Incharge) : Name Anil K. Singh Signatures [Signature]

Doc No : VSPL/LAB/06/TM/Rev:01/20.11.23

For Viraj Syntex (P) Ltd.

Lab/Q.C. Incharge