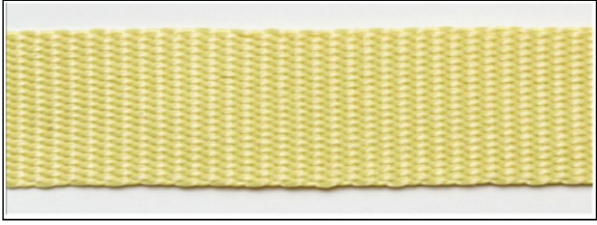




Technical Test Certificate - MIL Spec.& PIA - Tapes/Webbings/Elastics

1	Item Name	Tape Para Aramid 1.0" (25.4mm) BS 4000 Pound(1816kgf)										
2	Report No :	VSPL/TTC/NWF/001	Date :	12.08.2024								
3	Customer Name :	Viraj Syntex Pvt. Ltd.	Our Item Code :	NWF5-PIA-9048								
4	MIL Specification No :	PIA-T-87130	Type & Class No :	VI & 8								
5	Loom Type :	Shuttle Loom	Job No & Date :	Sample								
6	Sample Tested :	5	Qty/Lot Size :	15 yards								

Sr	DETAILS	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) :	1.0	± 1/16	1.004	25.5	mm	1.003	1.002	1.003	1.004	1.003	ASTM D 3774 Option B	
2	Weight / Meter (Oun/Yd.) :	0.55	max.	0.491	15.22	Gm	0.492	0.491	0.490	0.492	0.491	ASTM D 3776 Option D	
3	Thickness (Inch) :	N/A	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 / Inch :	12.0	min.	12.0	47	dm	12	12	12	12	12	ASTM D 3775	
5	Warp Yarns / Inch :	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	5050	
6	Break Strength (Pound) & Test Graph :	4000	Required	min.	4108	1865	Kgf	4110	4115	4100	4120	4111	PIA 4108 - Graph Attached
7	After Abrasion Break Strength (Pound) & Test Graph :	N/A	Required	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	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	N/A
9	Material Type & Den/Ply/TPI of Warp 1 :	Para Aramid	1500/2/2	N/A	Para Aramid	1500/2/2	N/A	N/A	N/A	N/A	1500/2/2	ASTM D 276/AATCC 20/ASTM D1907/Visual	
	Warp 2 :	N/A	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	N/A		
	Weft :	Para Aramid	1000/1	N/A	Para Aramid	1000/1	N/A	N/A	N/A	N/A	1000/1		
	Binder :	N/A	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	N/A		
10	Lock :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D 3775	
	Ends in full Width :	Ends		Ends	Wt/Yd (Oun)	Wt/mtr (grm)							
	Warp 1 :	39	min.	39	0.444	13.77	N/A	N/A	N/A	N/A	39		
	Warp 2 :	N/A	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	N/A		
	Weft :	1	N/A	1	0.047	1.45	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	N/A		
	Stuffer :	N/A	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	N/A			
11	Weave :	Plain	N/A	Plain			N/A	N/A	N/A	N/A	Plain	Visual	

12	Warp Yarn Filling type :	2 Ply	N/A	2 ply			N/A	N/A	N/A	N/A	2 ply	Visual
13	Weft Yarn Filling type :	Single	N/A	Single			N/A	N/A	N/A	N/A	Single	Visual
14	Shade & Shade Code :	Yellow YLW	N/A	Yellow	YIW	N/A	N/A	N/A	N/A	Yellow	Visual	
	Spectrophotometer Average five Readings (LxAxB) :	72.8 x -2.56 x 22.87	N/A	69.8 x -1.26 x 22.11			69.86 x -1.23 x 22.19	69.78 x -1.26 x 22.25	69.92 x -1.20 x 22.08	69.86 x -1.27 x 22.10	69.84 x -1.24 x 22.15	AATCC TM 173:2015 D65/10°
	Shade Difference (ΔE) :	≤ 2	N/A				1.42	1.35	1.46	1.42	1.40	AATCC TM 173:2015 D65/10°
15	Fastness To Washing (Laundering) :											
	Color Change	N/A	min.	N/A			N/A	N/A	N/A	N/A	N/A	AATCC 61/TEST 1A
	Colour Staining	N/A	min.	N/A			N/A	N/A	N/A	N/A	N/A	AATCC 61/TEST 1A
	Light :	N/A	min.	N/A			N/A	N/A	N/A	N/A	N/A	AATCC 16 Option 1
	Rubbing (Crocking) Wet & Dry :	N/A	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
16	Residual Shrinkage (%) :	2.0	max.	N/A			N/A	N/A	N/A	N/A	N/A	See Clause 4.6
17	Melting Point of Yarn (F) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 20
18	Curvature (Inch) :	0.25	max.	0.06	1.6	mm	0.06	0.05	0.06	0.05	0.06	See Clause 4.5.3
19	pH :	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	AATCC 81
20	Resistance to Light (%) :	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	4.5.1 and PIA-TEST METHOD-4108
	Resistance to Heat (%) :	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	4.5.2 and PIA-TEST METHOD-4108
21	Remarks :											
	Remarks :											
Over All Test Result :		Pass					Lot Size (Yards)	Sampling	Lot Size (Yards)		Sampling	
Prepared By (Asst. Lab)			Date :			800 or less	2	22,001 and Over		7		
Checked & Approved By (Lab/QC Inch.)			Date :			801 up to 5,000	3					
Doc.no : VSPL/LAB (MIL TTC)/31 REV:00/01.12.22						5,001 & 22,000	5					

Attach Tested Sample Cutting Here

VIRAJ SYNTEX (PVT.) LTD

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

**TEST REPORT**

Tensile / Breaking Load & Elongation Test - Tapes/Webbings			
Report No. :	VSPL/TT/001	Date :	8/12/2024
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	11:20:01 AM
Item Detail :	Tape Para-Aramid 1.00" BS 4000 Pound	M/C Capacity (Kgf) :	20,000
Item Code :	NWFS-PIA-9048	WLL(Kgf) :	N/A
Sample No. :	001	Batch No. :	Sample
Test Specification :	PIA-T-87130 (T-VI, C-8)	Grip Distance (mm) :	50
Test Procedure No. :	PIA-T-87130 (T-VI, C-8)	Traverse Speed (mm/min) :	300

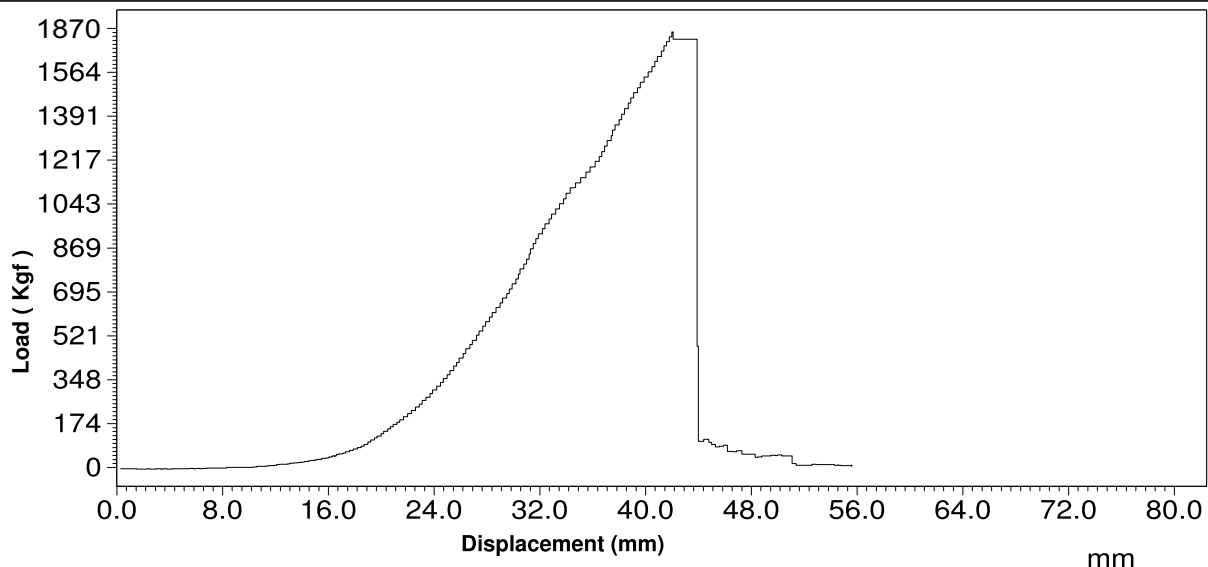
Test Discription

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 (Kgf) :	1865	1816 min.
Elongation at Break (mm) :	55.6	N/A
Elongation % at N/A Kgf / WLL :	N/A	N/A
Elongation % at 1865Kgf / Peak Load :	N/A	N/A

TEST GRAPH

Final Test Results :	PASS	FAIL
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Test Comments / Remarks :

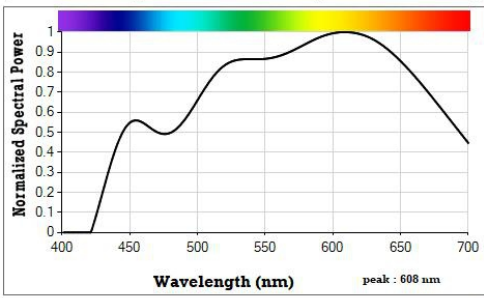
Tested By (Lab Assistant) : Name Signatures

Checked By (Lab/QC Incharge) : Name Signatures

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

Smart Utility For Spectrophotometer

Save	Print	Export	Import	Send Reference to Device	Offset	Min	Exit
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D65/10°			
XYZ	X = 47.54	Y = 50.99	Z = 28.75
Yxy	Y = 50.99	x = 0.37	y = 0.4
CIE	L* = 76.67	a* = -2.22	b* = 30.84
	L* = 76.67	C* = 30.92	h° = 94.12
	L* = 76.67	u* = 13.7	v* = 40.97
Hunter	L = 71.41	a = -2.04	b = 22.54
CCT = 4323 Kelvin			
Peak Wavelength = 608 nm			
RGB = 206,189,128			
CMYK = 0,8.25,37.86,19.22			

- Index Is Not Selected
-Available Indices-
- Whiteness Index (CIE)
 - Whiteness Index (Hunter)
 - Whiteness Index (Stensby)
 - Whiteness Index (All)
 - Yellowness Index (YI)
 - Baking Contrast Unit (BCU)
 - Tomato Color Index (TCI)
 - Ripening Index
 - Citrus Color Index (CCI)
 - Citrus Number (CN)
 - Citrus Red (CR)
 - Coffee Roast Index
 - Road Marking Paint

MATCH :

99%

ΔE^* : 1.37	ΔL^* : -1.22
Δa^* : 0.56	Δb^* : -0.25

Alarm Limit : 0%

- Single Measurement
- Real Time Analysis
- Find Match from Database
- Color Based Grading

E.g., Company details, operating station, sample description, batch and lot number, sample supplier details, date and time..

Select Port :

COM3

Close

