



VIRAJ SYNTEX PVT. LTD.



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

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

1	Item Name :	Webbing Nylon 1-23/32" BS 6000 Pound Olive Drab Resin Treated						Attach Below Item Image			
2	Report No :	VSPL/TTC/NWF/01		Date :	03.09.2026						
3	Customer Name :	Viraj Syntex Pvt. Ltd.		Our Item Code :	NWFS-PIA-9007 (R) OD						
4	Customer Part No. :	N/A		Po. No. & Date :	N/A						
5	MIL Specification No :	PIA-W-4088 & PIA-W-27265		Type & Class :	VII & 1						
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				
1	Width :	inch	1.718	± 0.0625	1.732	1.728	1.737	1.729	1.732	1.732	ASTM D 3774 Option B
2	Weight / Meter :	oz./yd	2.350	max.	2.200	2.205	2.210	2.202	2.200	2.203	ASTM D 3776 Option D
3	Thickness /Unit :	inch	0.060-0.100	N/A	0.084	0.084	0.084	0.083	0.084	0.084	ASTM D 1777 Option 2
4	Picks / Unit :	inch	26	min.	29	29	29	29	29	29	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.	6000	min.	6694	6642	6687	6705	6659	6677	PIA 4108 - Graph Attached
7	After Abrasion Break Strength (Pound) & Test Graph :	lbs.	4800	N/A	4863	4891	4873	4865	4896	4863	5309 & 4108- Graph Attached
	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 :	Nylon 6,6	840/2/100	N/A	Nylon 6,6	840/2/100	N/A	N/A	N/A	840/2/100	ASTM D 3775
	Warp 2 :	Polyester Yellow	Approx. To Nylon Body	N/A	Polyester Yellow	2000/1/50	N/A	N/A	N/A	2000/1/50	
	Warp 3 (Rubber) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Weft :	Nylon 6,6	840/2/N/A	N/A	Nylon 6,6	840/2/100	N/A	N/A	N/A	840/2/100	
	Binder :	Nylon 6,6	840/1/100	N/A	Nylon 6,6	840/1/100	N/A	N/A	N/A	840/1/100	
	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						ASTM D 3775
	Warp 1 :	N/A	229	min.	240	N/A	N/A	N/A	N/A	240	
	Warp 2 :	N/A	4	N/A	4	N/A	N/A	N/A	N/A	4	
	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	27	N/A	29	N/A	N/A	N/A	N/A	29	
	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	Double Plain	N/A	Double Plain	N/A	N/A	N/A	N/A	Double 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	Double	N/A	Double	N/A	N/A	N/A	N/A	Double	Visual
14	Shade & Shade Code :	N/A	Olive Drab (OD)	N/A	Olive Drab (OD)	N/A	N/A	N/A	N/A	Olive Drab (OD)	Visual
	Spectrophotometer Average five Readings (LxAxB) :	N/A	20.80 x 0.76 x 4.86	N/A	20.64 x 0.83 x 5.09	20.66 x 0.85 x 5.10	20.62 x 0.82 x 5.08	20.63 x 0.83 x 5.07	20.65 x 0.84 x 5.11	20.64 x 0.83 x 5.09	AATCC TM 173:2015 D65/10°
	Shade Difference (ΔE) :	N/A	≤ 2	N/A	0.60	0.61	0.58	0.59	0.61	0.60	AATCC TM 173:2015 D65/10°

>>>> Cont. on Page 2

1	Item Name :	Webbing Nylon 1-23/32" BS 6000 Pound Olive Drab Resin Treated					Attach Below Item Image						
2	Report No :	VSPL/TTC/NWF/01		Date :	03.09.2026								
3	Customer Name :	Viraj Syntex Pvt. Ltd.		Our Item Code :	NWFS-PIA-9007 (R) OD								
4	Customer Part No. :	N/A		Po. No. & Date :	N/A								
5	MIL Specification No :	PIA-W-4088 & PIA-W-27265		Type & Class :	VII & 1								
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	2-3	min.	2	N/A	N/A	N/A	N/A	2.0	AATCC 61/TEST 1A		
	Colour Staining	N/A	2-3	min.	3	N/A	N/A	N/A	N/A	3.0	AATCC 61/TEST 1A		
	Light :	N/A	3-4	min.	3	N/A	N/A	N/A	N/A	3.0	AATCC 16 Option 1		
	Rubbing (Crocking) Wet & Dry :	N/A	3.5	min.	4	N/A	N/A	N/A	N/A	4.0	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.	502	N/A	N/A	N/A	N/A	502.00	Visual		
18	Curvature :	Inch	0.25	max.	0.06	0.06	0.05	0.06	0.05	0.06	Para 4.5.3		
19	pH :	N/A	5.5-9.0	N/A	6.5	6.8	N/A	N/A	N/A	6.65	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) :	%	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) :	%	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)		For Viraj Syntex (P) Ltd.					Date :	2/9/26	800 or less	Mtr	2	5,001 & 22,000	5
Checked & Approved By (Lab/QC Inch.)							Date :	8/9/26	801 up to 5,000	Mtr	3	22,001 and Over	7

VIRAJ SYNTEX (PVT.) LTD

(An ISO 9001 : 2015 Certified Company)

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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/26-27/01	Date :	09/03/2026
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	10:22:17 AM
Item Detail :	Webb. Nyl. 1.72" BS 6000 lbs OD R.T	M/C Capacity (Kgf) :	20,000
Item Code :	NWFS-PIA-9007 (R) OD	WLL(Kgf) :	N/A
Sample No. :	001	Batch No. :	Sample
Test Specification :	PIA-W-4088(T-7, C-1) & PIA-W-27265	Grip Distance (mm) :	250
Test Procedure No. :	PIA-TM-4108	Traverse Speed (mm/min) :	75

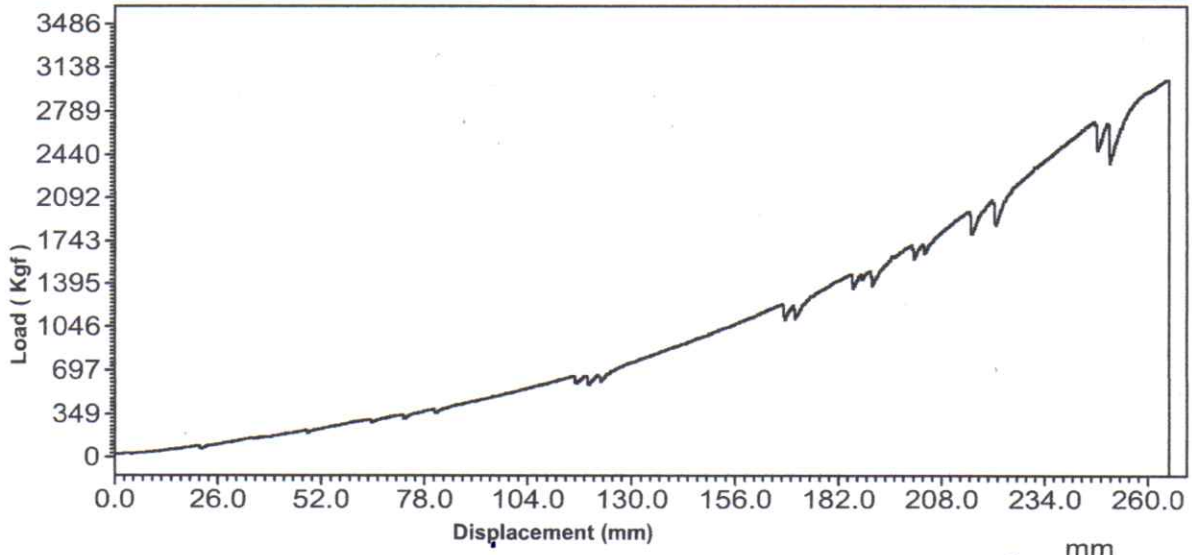
Test Discription

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 angle 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) :	3039	2724 min.
Elongation at Break (mm) :	265.4	N/A
Elongation % at N/A Kgf / WLL :	N/A	N/A
Elongation % at 3039 Kgf / Peak Load :	N/A	N/A

TEST GRAPH

Final Test Results : **PASS** ✓ **FAIL**

Test Comments / Remarks :

Tested By (Lab Assistant) : Name Anurag Srivastava Signatures [Signature]

Checked By (Lab/QC Incharge) : Name [Signature] Signatures [Signature]

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

Lab/Q.C. Incharge

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**TEST REPORT**

Tensile / Breaking Load & Elongation Test - Tapes/Webbings			
Report No. :	VSPL/TT/26-27/01	Date :	09/03/2026
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	10:35:24 AM
Item Detail :	Webb. Nyl. 1.72" BS 6000 lbs OD R.T	M/C Capacity (Kgf) :	20,000
Item Code :	NWFS-PIA-9007 (R) OD	WLL(Kgf) :	N/A
Sample No. :	001 (Abrasion Test)	Batch No. :	Sample
Test Specification :	PIA-W-4088(T-7, C-1) & PIA-W-27265	Grip Distance (mm) :	250
Test Procedure No. :	PIA-TM-4108	Traverse Speed (mm/min)	75

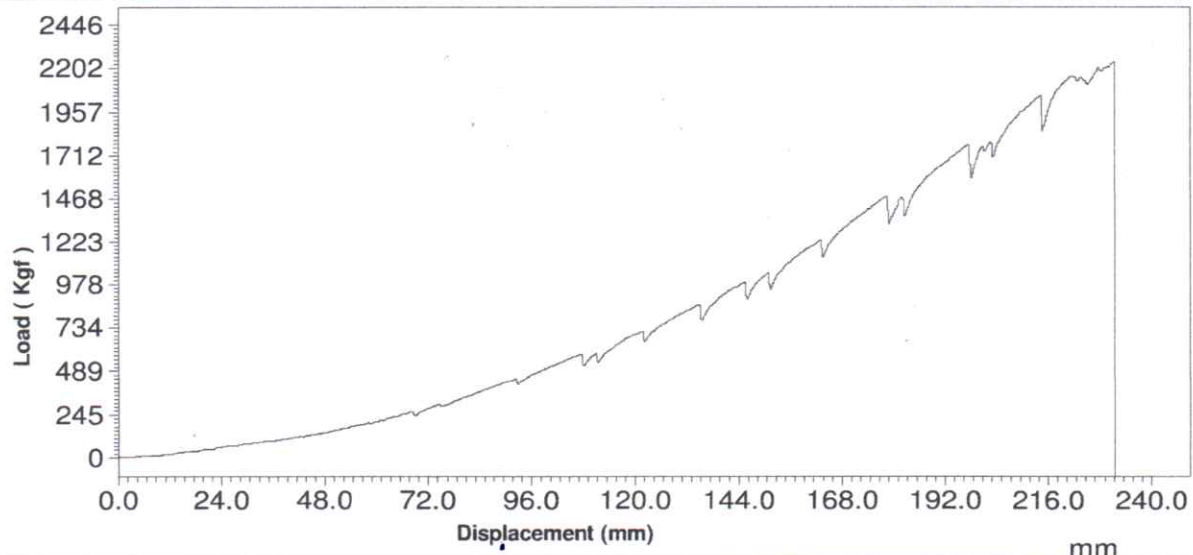
Test Discription

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 (Kgf) :	2208	2180 min.
Elongation at Break (mm) :	231.7	N/A
Elongation % at N/A Kg / WLL :	N/A	N/A
Elongation % at 2208 Kg / 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	Anurag Srivastava	Signatures	[Signature]
Checked By (Lab/QC Incharge) : Name	Ankur Kishwaha	Signatures	[Signature]

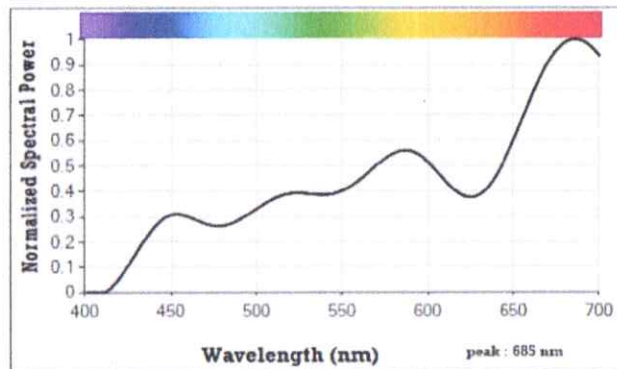
Doc No : VSPL/LAB/06/TM/Rev:01/20.11.23

Lab/Q.C. Incharge

Smart Utility For Spectrophotometer

Save	Print	Export	Import	Send Reference to Device	Offset
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Min	Exit
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D65/10°			
XYZ	X = 4.14	Y = 4.26	Z = 2.88
Yxy	Y = 4.26	x = 0.37	y = 0.38
CIE	L [*] = 24.52	a [*] = 1.35	b [*] = 10
	L [*] = 24.52	C [*] = 10.09	h [°] = 82.33
	L [*] = 24.52	u [*] = 5.67	v [*] = 9.75
Hunter	L = 20.64	a = 0.83	b = 5.09
	CCT = 4391 Kelvin		
	Peak Wavelength = 685 nm		
	RGB = 66,57,41 CMYK = 0,13.64,37.88,74.12		

Index is Not Selected
-Available Indices-

Whiteness Index (CIE)
Whiteness Index (Hunter)
Whiteness Index (Stensby)
Whiteness Index (AI)
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^* : 0.6

ΔL^* : -0.18

Δa^* : 0.14

Δb^* : 0.55

Alarm Limit : 0%

Select Port :

COM3

Close

Single Measurement

Real Time Analysis

Find Match from Database

Color Based Grading

NWFS-PLA-9007 (R) OD