



VIRAJ SYNTEX PVT. LTD.



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

1	Item Name : Webbing Nylon 1.00" BS 9000 Pound Natural							Attach Below Item Image			
2	Report No : VSPL/TTC/NWF/05		Date : 15.09.2026								
3	Customer Name : Viraj Syntex Pvt. Ltd.		Our Item Code : NWF-PIA-1122 NAT								
4	Customer Part No. : N/A		Po. No. & Date : N/A								
5	MIL Specification No : PIA-W-4088		Type & Class : XX & 1A								
6	Loom Type : Needle 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	± 0.0938	1.062	1.062	1.059	1.062	1.062	1.061	ASTM D 3774 Option B
2	Weight / Meter :	oz./yd	3.250	max.	3.008	3.004	3.008	3.008	3.002	3.006	ASTM D 3776 Option D
3	Thickness /Unit :	inch	0.170-0.210	N/A	0.175	0.175	0.175	0.175	0.175	0.175	ASTM D 1777 Option 2
4	Picks / Unit :	inch	38	min.	24	24	24	24	24	24	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.	9000	min.	10304	10246	10289	10360	10296	10299	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 :	Nylon 6,6	840/5/100 or 1260/4/100	N/A	Nylon 6,6	840/5/100	N/A	N/A	N/A	840/5/100	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 :	Nylon 6,6	420/3/N/A or 1260//1/N/A	N/A	Nylon 6,6	1260/1/N/A	N/A	N/A	N/A	1260/1/N/A	
	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 :	Or Polyester	70 - 500 Nylon Or 70 - 250 Polyester	N/A	Nylon 6,6	210/1/100	N/A	N/A	N/A	210/1/100	
10	Ends in full Width :		Ends		Ends						ASTM D 3775
	Warp 1 :	N/A	162	min.	162	N/A	N/A	N/A	N/A	162	
	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	26	N/A	26	N/A	N/A	N/A	N/A	26	
	Stuffer :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Catch-Cord (Lock) :	N/A	1	N/A	1	N/A	N/A	N/A	N/A	1	
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	5 Ply or 4 Ply	N/A	5 Ply	N/A	N/A	N/A	N/A	5 Ply	Visual
13	Weft Yarn Filling type :	N/A	3 Ply or Single	N/A	Single	N/A	N/A	N/A	N/A	Single	Visual
14	Shade & Shade Code :	N/A	Natural (NAT)	N/A	Natural (NAT)	N/A	N/A	N/A	N/A	Natural (NAT)	Visual
	Spectrophotometer Average five Readings (LxAbB) :	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	≤ 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC TM 173:2015 D65/10°

1	Item Name :	Webbing Nylon 1.00" BS 9000 Pound Natural					Attach Below Item Image					
2	Report No :	VSPL/TTC/NWF/05	Date :	15.09.2026								
3	Customer Name :	Viraj Syntex Pvt. Ltd.	Our Item Code :	NWF-PIA-1122 NAT								
4	Customer Part No. :	N/A	Po. No. & Date :	N/A								
5	MIL Specification No :	PIA-W-4088	Type & Class :	XX & 1A								
6	Loom Type :	Needle 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.	3	N/A	N/A	N/A	N/A	3.0	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.	4	N/A	N/A	N/A	N/A	4.0	AATCC 16 Option 1	
	Rubbing (Crocking) Wet & Dry :	N/A	3.5	min.	5	N/A	N/A	N/A	N/A	5.0	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.	526	N/A	N/A	N/A	N/A	526	Visual	
18	Curvature :	inch	0.25	max.	0.04	0.06	0.04	0.04	0.06	0.05	Para 4.5.3	
19	pH :	N/A	5.5-9.0	N/A	6.9	7.1	N/A	N/A	N/A	7	AATCC 81	
20	BS After Resistance To Light (Kgf) :	lbs.	N/A	min.	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	ASTM G 151 & ASTM G 155	
21	BS After Resistance To Heat (Kgf) :	lbs.	N/A	min.	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	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 :	15/9/26	800 or less	Mtr	2	5,001 & 22,000	5
Checked & Approved By (Lab/QC Inch.)						Date :	15/9/26	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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**TEST REPORT**

Tensile / Breaking Load & Elongation Test - Ropes/Cordages			
Report No. :	VSPL/26-27/01	Date :	09/15/2026
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	1:41:49 PM
Item Detail :	Webbing Nylon 1.00" BS 9000 lbs Nat	M/C Capacity (Kgf) :	20,000
Item Code :	NWF-PIA-1122 NAT	WLL(Kgf) :	N/A
Sample No. :	01	Batch No. :	Sample
Test Specification :	PIA-W-4088 (T-XX,C-1A)	Grip Distance (mm) :	250
Test Procedure No.	PIA-TM-4108	Traverse Speed (mm/min)	75

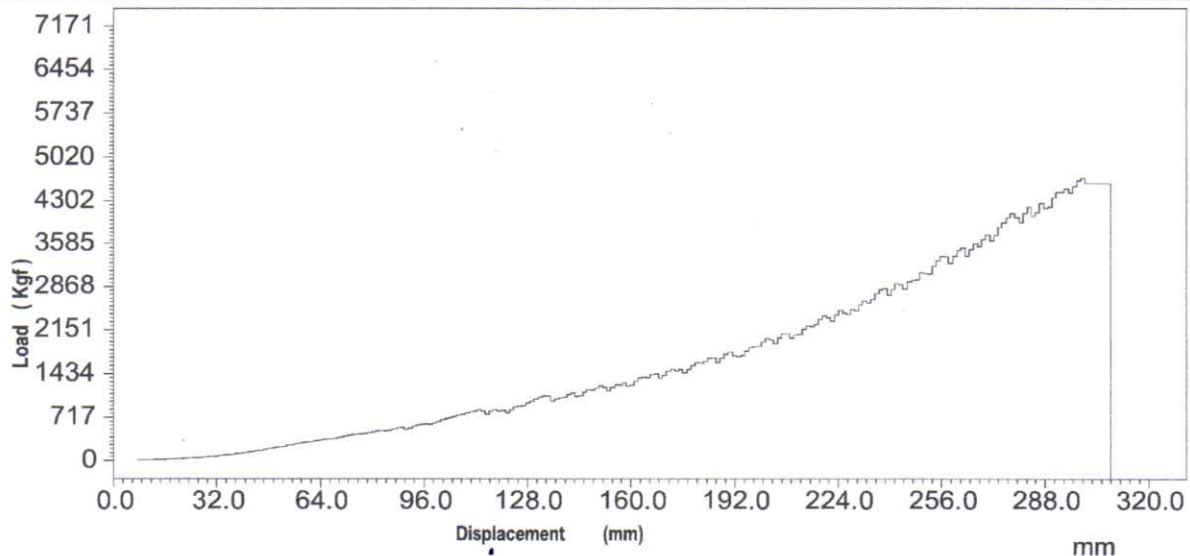
Test Discription

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) :	4678	4086 MIN.
Elongation at Break (mm) :	308.4	N/A
Elongation % at N/A Kgf / WLL :	N/A	N/A
Elongation % at 4678 Kgf / 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 Ayurag Shrivastava Signatures [Signature]

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

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

Lab/Q.C. Incharge