



VIRAJ SYNTEX PVT. LTD.

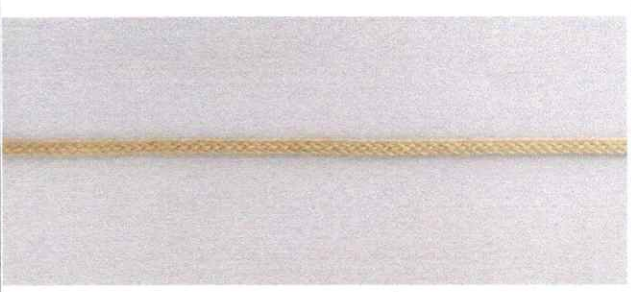


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Technical Test Certificate - MIL Spec.& PIA - Braided Cords/Ropes

1	Item Name :	Cord Para Aramid BS 1000 Pound Yellow				Attach Below Item Image					
2	Report No. :	VSPL/TTC/01		Date :	07.09.2026						
3	Customer Name :	Viraj Syntex Pvt. Ltd.		Our Item Code :	BC-PIA-1145 YLW						
4	Customer Part No. :	N/A		Po. No. & Date :	N/A						
5	MIL Specification No. :	PIA-C-87129		Type & Class No. :	VII & 0						
6	No of Carrier :	16		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					
1	Dia :	mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Length Per Pound, Feet :	ft.	338	min.	362	358	361	362	362	361	6004
3	Picks / Inch :	inch	10	N/A	10	10	10	10	10	10	Clause 4.4.1
4	Breaking strength (Pound) & Test Graph :	lbs	1000	min.	1072	1108	1096	1084	1072	1086	4108-Graph Attached
5	Elongation percent at Break :	%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4108
6	Material Type :	N/A	Para Aramid	N/A	Para Aramid	N/A	N/A	N/A	N/A	Para Aramid	1_/ASTM D 1422 1_/2_/, ASTM D 1423 1_/2_
	Yarn Basic Denier :	D	1000	N/A	1000	N/A	N/A	N/A	N/A	1000	
	Yarn Ply :	N/A	2 Ply	N/A	2 Ply	N/A	N/A	N/A	N/A	2 Ply	
	TPI :	N/A	2.1	N/A	2.1	N/A	N/A	N/A	N/A	2.1	
7	Material Type (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1_/ASTM D 1422 1_/2_/, ASTM D 1423 1_/2_
	Yarn Basic Denier (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Yarn Ply (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	TPI (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8	Melting Point of Yarn :	(°F)	473°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D 276 1_/
9	No. of Carriers (Sleeve) :	N/A	16	N/A	16	N/A	N/A	N/A	N/A	16	Visual
	Ends per Carriers (Sleeve) :	N/A	1	N/A	1	N/A	N/A	N/A	N/A	1	
	Total No. of Ends (Sleeve) :	N/A	16	N/A	16	N/A	N/A	N/A	N/A	16	
10	No. of Carriers (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Visual
	Ends per Carriers (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Total No. of Ends (Core) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Weave :	N/A	Braided	N/A	Braided	N/A	N/A	N/A	N/A	Braided	Visual
12	Shade & Shade Code :	N/A	Yellow (YLW)	N/A	Yellow (YLW)	N/A	N/A	N/A	N/A	Yellow (YLW)	Clause 3.8
13	Finish :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Clause 3.7
14	Extractable Mattter :	N/A	≤ 2	%	N/A	N/A	N/A	N/A	N/A	N/A	Clause 3.10
15	Tackiness :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

>>>> Cont. on Page 2

1	Item Name :	Cord Para Aramid BS 1000 Pound Yellow				Attach Below Item Image					
2	Report No :	VSPL/TTC/01		Date :	07.09.2026						
3	Customer Name :	Viraj Syntex Pvt. Ltd.		Our Item Code :	BC-PIA-1145 YLW						
4	Customer Part No. :	N/A		Po. No. & Date :	N/A						
5	MIL Specification No :	PIA-C-87129		Type & Class No :	VII & 0						
6	Loom Type :	16		Job No & Date :	Sample Test Report						
7	Sample Tested :	5		Qty/Lot Size :	As Per Requirement						
	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
16	Fastness To Washing (Laundering) :										AATCC 61
	Light	N/A	3 - 4	min.	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 16.2 / or AATCC 16.3 3 /
	Laundring / Dry Cleaning	N/A	3 - 4	min.	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 132
17	Residual Shrinkage :	%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18	pH :	N/A	5.5 - 9.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 81
19	Bs After Resistance To Light (Kgf) :	lbs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM G151, ASTM G155 & PIA-TM-6016
	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 G151 & ASTM G155
20	Bs After Resistance To Heat (Kgf) :	lbs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D1776 & PIA-TM-6016
	Bs Loss % After Resistance To Heat (Oven) :	%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D1776
21	Remarks :										
	Remarks :										
	Remarks :										
Over All Test Result :		Pass				Lot Size	Unit	Sampling	Lot Size/Unit	Sampling	
Prepared By (Asst. Lab)		Date : 7/9/26				1 up to 10,500	Yrad	2	105,001 up to 350,000	8	
Checked & Approved By (Lab/QC Incharge)		Date : 7/9/26				10501 up to 35,000	Yard	3	350,001 up to 2,240,000	13	
						35,001 up to 105,000	Yard	5	2,240,001 up to 24,500,000	20	

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/TT/26-27/01	Date :	09/07/2026
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	4:17:29 PM
Item Detail :	Cord Para Aramid BS 1000 Pound Ylw	M/C Capacity (Kgf) :	500
Item Code :	BC-PIA-1145 YLW	WLL(Kgf) :	N/A
Sample No. :	001	Batch No. :	Sample
Test Specification :	PIA-C-87129 (T-VII, C-0)	Grip Distance (mm) :	250
Test Procedure No. :	PIA-TM-4108	Traverse Speed (mm/min) :	66

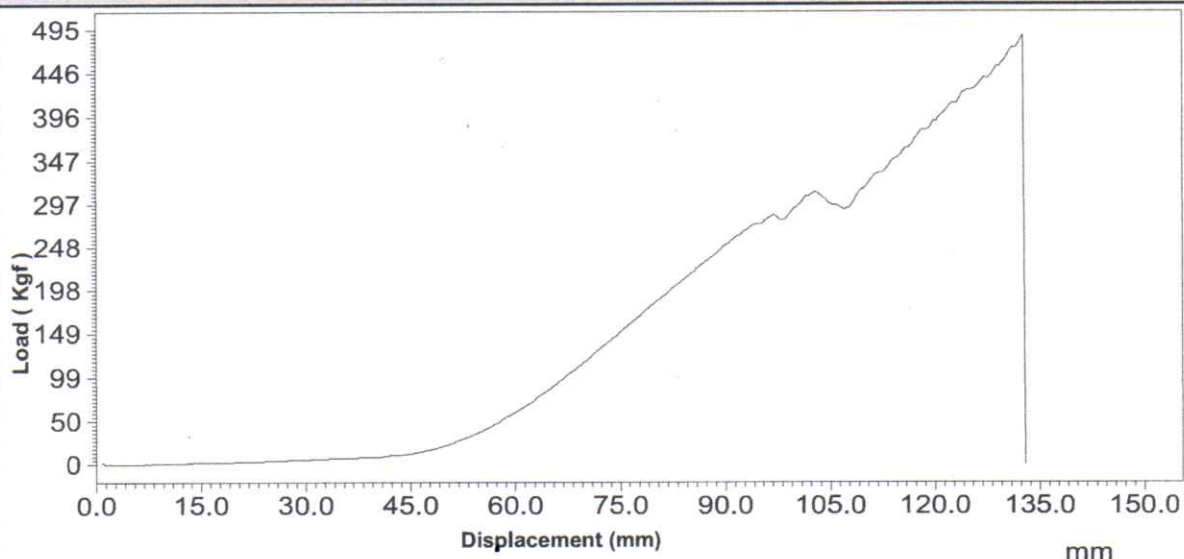
Test Discription

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) :	487	454 Min.
Elongation at Break (mm) :	132.3	N/A
Elongation % at N/A Kg / WLL	N/A	N/A
Elongation % at 487 Kg / 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 Incharge) : Name [Signature] Signatures [Signature]

Doc No : VSPL/LAB/06/T/REV:00/1.1.14

Lab/Q.C. Incharge