



**Technical Test Certificate - MIL / PIA Spec. - Braided Cords**

1	Item Name	Cord Para Aramid Coreless BS 1500 Pound (681kgf)			<b>Attach Below Item Image</b>							
2	Report No :	VSPL/TTC/TC-005	Date :	12.08.2024								
3	Customer Name :	Viraj Syntex Pvt. Ltd.	Our Item Code :	BC-1146								
4	MIL Specification No :	MIL-C-87129A	Type & Class No :	VIII & 0								
5	Braiding Type :	Braiding	Job No & Date :	Sample								
6	Sample Tested :	5	Qty/Lot Size :	10.94 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	Dia (Inch) :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Weight / Meter : [Length Per	200.00		min.	237.18	6.24	Gm	237.15	237.10	237.15	237.18	237.15	6004
3	Thickness ( Inch) :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	Picks / Inch :	8.0		N/A	7.5	29.53	dm	7.5	7.5	7.5	7.5	7.5	Visual
5	Break Strength (Pound) & Test Graph :	1500	Required	N/A	1515	688	kg	1520	1525	1530	1535	1525.1	4108 - Graph Attached
6	Elongation (%) at BREAK :	N/A		N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A
	at WLL :	N/A		N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A
7	Material Type & Den/Ply/TPI of Sleeve 1 :	Para Aramid	1500/2/1.8	N/A	Para Aramid	1500/2/1.8	N/A	N/A	N/A	N/A	N/A	1500/2/1.8	1_/ASTM D1422 1_/2_/ , ASTM D1423 1_/2_/ ,
	Sleeve 2 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sleeve 3 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core 1 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core 2 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core 3 :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Rubber :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	Melting Point of Yarn (F) :	N/A			N/A			N/A	N/A	N/A	N/A	N/A	N/A
9	Ends in full Width :	Ends			Ends	Wt/Yd (Oun)	Wt/mtr (grm)						
	Sleeve 1 :	16		N/A	16	237.2	6.24	N/A	N/A	N/A	N/A	16	Visual
	Sleeve 2 :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sleeve 3 :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core 1 :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Visual
	Core 2 :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core 3 :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Rubber :	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	Weave :	Braided		N/A	Braided			N/A	N/A	N/A	N/A	Braided	Visual
11	Yarn Filling type :	2 Ply		N/A	2 Ply			N/A	N/A	N/A	N/A	2 Ply	Visual

12	Shade & Shade Code :	Yellow	YLW	N/A	Yellow	YLW	N/A	N/A	N/A	N/A	Yellow	Clause 3.8	
	Shade Diffrence ( $\Delta E$ ) :	N/A		N/A	N/A		N/A	N/A	N/A	N/A	N/A	AATCC TM 173:2015 D65/10	
	Fastness To Washing (Laundrying) :	N/A		N/A	N/A		N/A	N/A	N/A	N/A	N/A		
13												AATCC 61	
	Light :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Laundrying/Dry Cleaning :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
14	Residual Shrinkage (%) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
15	pH :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16	Resistance to Light (%) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Resistance to Heat (%) :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17	Remarks :												
	Remarks :												
<b>Over All Test Result :</b>		<b>Pass</b>											
Prepared By (Asst. Lab)			Date :										
Checked & Approved By (Lab/QC Inch.)			Date :										

Doc.no : VSPL/LAB (MIL TTC)/31 REV:00/01.12.22

Attach Tested Sample Cutting Here

# VIRAJ SYNTEX (PVT.) LTD

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## TEST REPORT

Tensile / Breaking Load & Elongation Test - Tapes/Webbings			
Report No. :	VSPL/TT/005	Date :	8/12/2024
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	2:17:58 PM
Item Detail :	Cord Para Aramid Coreless BS1500 Poundu	M/C Capacity (Kgf) :	20,000
Item Code :	BC-1146	WLL(Kgf) :	N/A
Sample No. :	001	Batch No. :	Sample
Test Specification :	MIL-C-87129 (T-8,C-0)	Grip Distance (mm) :	150
Test Procedure No. :	MIL-C-87129 (T-8,C-0)	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 ) :	688	681 Min.	
Elongation at Break (mm) :	106.5	N/A	
Elongation % at N/A Kgf / WLL :	N/A	N/A	
Elongation % at 688 Kgf / Peak Load :	N/A	N/A	
TEST GRAPH			
<p>The graph plots Load (Kgf) on the y-axis (0 to 1144) against Displacement (mm) on the x-axis (0.0 to 120.0). The curve shows a non-linear increase in load with displacement, reaching a peak of 688 Kgf at 106.5 mm, followed by a sharp drop to zero.</p>			
Final Test Results :	PASS	FAIL	
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			