



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

1	Item Name	Cord Nylon Braided Coreless BS 1000 Pound (454 kgf) UD			Attach Below Item Image							
2	Report No :	VSPL/TTC/BC-006	Date :	12.08.2024								
3	Customer Name :	Viraj Syntex Pvt.Ltd.	Our Item Code :	BC-1125 UD								
4	MIL Specification No :	MIL-C-17183B	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 Pound of cord (Feet)] :	40.00	min.	129.26	11.45	Gm	129.24	129.22	129.26	129.25	129.25	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 :	8.5	N/A	8.5	33	dm	8.5	8.5	8.5	8.5	8.5	Clause 4.4.1
5	Break Strength (Pound) & Test Graph :	1000	Required	N/A	1018	462	kg	1020	1022	1025	1025	6016 - Graph Attached
6	Elongation (%) at BREAK :	20	Min.	71			72	70	69	73	71.00	6016 1_/
	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 :	Nylon 66	210/4/2.5-3.5	N/A	Nylon 66	210/4/2.5-3.5	N/A	N/A	N/A	N/A	210/4/2.5	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
	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	1_/ASTM D1422 1_/2_/, ASTM D1423 1_/2_/,
	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
8	Melting Point of Yarn (F) :	473°	N/A	496.22	257.9	°C	N/A	N/A	N/A	N/A	496.22	ASTM D276 1_/
9	Ends in full Width :	Ends		Ends	Wt/Yd (Oun)	Wt/mtr (grm)						
	Sleeve 1 :	96	N/A	96	129.3	11.45	N/A	N/A	N/A	N/A	96	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 :	4 Ply	N/A	4 Ply			N/A	N/A	N/A	N/A	4 Ply	Visual

	Shade & Shade Code :	Undyed	UD	N/A	Undyed	UD	N/A	N/A	N/A	N/A	Undyed	Clause 3.8
12	Spectrophotometer Average five Readings (LxAxB) :	N/A		N/A	N/A		N/A	N/A	N/A	N/A	N/A	AATCC TM 173:2015 D65/10
	Shade Diffrence (ΔE) :	N/A		N/A	N/A		N/A	N/A	N/A	N/A	N/A	AATCC TM 173:2015 D65/10
13	Fastness To Washing (Laundryng) :											AATCC 61
	Light :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 16.2 2_/ OR AATCC 16.3 3_/
	Laundryng/Dry Cleaning :	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AATCC 132
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	AATCC 81
16	Resistance to Light (%) :	N/A	N/A	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	N/A	N/A	4.5.1 and PIA-TEST METHOD-4108
17	Remarks :											
	Remarks :											
Over All Test Result :		Pass										
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

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**TEST REPORT**

Tensile / Breaking Load & Elongation Test - Tapes/Webbings			
Report No. :	VSPL/TT/006	Date :	8/12/2024
Order / Job No.:	Viraj Syntex Pvt. Ltd.	Time :	2:11:51 PM
Item Detail :	Cord Nylon Braid. Coreless BS1000 Pound	M/C Capacity (Kgf) :	20,000
Item Code :	BC-1125 U/D	WLL(Kgf) :	N/A
Sample No. :	001	Batch No. :	Sample
Test Specification :	MIL-C-17183 (T-8,C-0)	Grip Distance (mm) :	150
Test Procedure No. :	MIL-C-17183 (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) :	462	454 Min.	
Elongation at Break (mm) :	382.8	N/A	
Elongation % at N/A Kg / WLL :	N/A	N/A	
Elongation % at 462 Kg / Peak Load :	N/A	N/A	
TEST GRAPH			
<p>The graph plots Load (Kg) on the y-axis (0 to 560) against Displacement (mm) on the x-axis (0.0 to 380.0). The load increases linearly from 0 Kg at 0 mm to a peak of 462 Kg at 382.8 mm. After the peak, the load drops sharply to approximately 168 Kg at 380 mm.</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			