

Laboratory	Laboratory-1, S.P. Apparels Ltd., 39-A, Extension Street, Kaikattipudur, Avinashi, Tirupur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	26.07.2015
Certificate Number	T-0724	Valid Until	25.07.2017
Last Amended on	31.07.2015	Page	1 of 2

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	TEXTILE MATERIALS			
1.	Textiles - Yarn	Linear Density of Yarn	ISO 2060: 1994 Option 1 & 4 ASTM D 1907-12 Option 1 & 4	5 Tex to 120 Tex (5 Ne to 120 Ne)
		Breaking Strength of Yarn	ISO 6939: 1988	20 kgf to 300 kgf (20 N to 3000 N)
		Twist in Yarn	IS 832 -2: 2011 ASTM D 1422-99 (RA 2008)	4/ cm to 16/ cm (10 to 40) /inch
		Grading Spun Yarns for Appearance	ASTM D 2255-09	A to D
2.	Fabric/Accessories/ Garment/Made ups	Threads per Unit Length – Woven fabrics	IS 1963: 1981 ASTM D 3775: 2008	(10 to 60)/cm (25 to 150/inch)
		Threads per Unit Length – Knitted Fabrics	ASTM D 3887: 96 (RA 2008)	(10 to 60)/cm (25 to 150/inch)
		Weight per Square Meter (GSM)	BSEN 12127: 1998 Method 5 ASTM D 3776-09A (RA 2013)	50 g/m ² to 500 g/m ²
		Surface Fuzzing & Pilling	BSEN ISO 12945-1: 2001	Qualitative (Grade 1 to 5)
		Attachment Strength	BSEN 71-1: 2005 BS 7907: 2007	2 kgf to 30 kgf (20 N to 300 N)
		Bursting Strength	ASTM D 3786: 2013	15 kPa to 1400 kPa (2 Psi to 200 Psi)

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	Fabric/Accessories/ Garment/Made ups	Resistant to Slippage of Yarns in Woven Fabrics	ASTM D 434 - 95	5 kgf to 25 kgf (10 lbf to 50 lbf)
		Slippage Resistance of Yarn at a Seam in Woven Fabrics	ISO 13936 – 1: 2004	20 N to 500 N
		Seam Tensile Properties of Fabrics	ISO 13935-1: 2014 ISO 13935-2: 2014	20 N to 500 N
		Tearing Strength of fabrics by the Tongue Procedure	ASTM D 2261-13 ISO 13937-2: 2000	20 N to 500 N (4 lbf to 100 lbf)
		Maximum Force & elongation at Maximum Force using Strip Method	ISO 13934 – 1: 2013 ASTM D 5035-11	20 N to 3000 N (4 lbf to 100 lbf)
		Maximum Force & Elongation at Maximum Force using Grab Method	ISO 13934-2: 2014 ASTM D 5034-09	20 N to 3000 N (4 lbf to 135 lbf)
		Yarn number based on Short Length Specimens	ASTM D 1059-01	5 Tex to 120 Tex (5 Ne to 120 Ne)
		Width of Textile Fabrics	ASTM D 3774: 2012 Option B	2 cm to 250 cm
		Bow & Skew in Woven and Knitted Fabrics	ASTM D 3882: 2012	1 % to 30 %

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