

Laboratory	Intertek Lanka (Pvt.) Ltd. (Softline Division), 282, Kaduwela Road, Battaramulla, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	31.01.2016
Certificate Number	T-2818	Valid Until	30.01.2018
Last Amended on	05.02.2016	Page	1 of 4

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.	Textile & Textile Accessories	Tensile Strength Elongation Strip Method	BS EN ISO 13934-1: 2013 ASTM D 5035: 2011 GB/T 3923.1: 2013	20 N to 1 kN (4.4 lbf to 2247 lbf) Elongation: 1 % to 200 %
		Grab Method	BS EN ISO 13934-2: 2014 ASTM D 5034: 09(2013) GB/T 3923.2: 2013	20 N to 1 kN (4.4 lbf to 2247 lbf) Elongation: 1 % to 200 %
		Tear Strength –Elmendorf	ASTM D 1424 : 09(2013) BS EN ISO 13937- 1: 2000 GB/T 3917.1: 2009	1.6 N to 102 N (0.35 lbf to 22.2 lbf)
		Tear Strength Single Rip Single Tear Method	ASTM D 2261: 2013 BS EN ISO 13937- 2: 2000	20 N to 1 kN (4.4 lbf to 2247 lbf)
		Bursting Strength Hydraulic Diaphragm Bursting	BS EN ISO 13938- 1: 1999 ASTM D 3786: 2013 EN ISO 13938-2: 1999	144 kPa to 1034.0 kPa 14 N/cm ² to 103.4 N/cm ²
		Seam Tensile Properties of Fabrics	ISO 13935-2: 2014	20 N to 1 kN
		Sewn Seam Strength in Woven Fabric	ASTM D 1683: 11a	4.4 lbf to 2247 lbf
		Seam Slippage Seam Method	BS 3320: 1988 ASTM D 434: 1995 ASTM D 1683: 11a	20 N to 1 kN 4.4 lbf to 2247 lbf
		Fixed Seam Opening Method Fixed Load Method	EN ISO 13936-1: 2004 FZ/T 81007: 2012 (4.4.17 & 4.4.18) EN ISO 13936-2: 2004	0.01 cm to 5.0 cm

Laboratory Intertek Lanka (Pvt.) Ltd. (Softline Division), 282, Kaduwela Road, Battaramulla, Sri Lanka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 31.01.2016

Certificate Number T-2818 **Valid Until** 30.01.2018

Last Amended on 05.02.2016 **Page** 2 of 4

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textile & Textile Accessories	Warp End Count and Filling Pick Count of Woven Fabric	ASTM D 3775: 2012	(2 threads to 80 threads)/ cm (5 threads to 200 threads)/ inch
		Woven Fabric Construction	BS EN 1049 (Part 2): 1994 (Method A & B)	
		Knitted Fabric	BS 5441 (Sec. VII, VIII, XII & XIII): 1988 ASTM D 3887: 1996(2008) (Sec XII) DIN 14971: 2006	(2 threads to 80 threads)/cm (5 threads to 200 threads)/ inch
		Fabric Weight Per Unit Area Per Running Yardage	BS-2471: 2005 ISO 3801: 1977 Method 5 ASTM D 3776 M -09a Option C (2013) BSEN 12127: 1998	10 g/m ² to 1000 g/m ²
		Distortion In Bowed And Skewed Fabrics	BS 2819: 1990 ASTM D 3882-(08) 2012e1	1 % to 50 %
		Flammability Of General Clothing Textiles	ASTM D 1230: 2010 CPSC CFR 16 (Part 1610): 2008	Class 1 to Class 3
		Abrasion Resistance Martindale Abrasion	BS EN ISO 12947-2: 1998 BS EN ISO 12947-1: 1998 ASTM D 4966-2012 e1 Option 1 Option 2	10 Cycles to 1,00,000 Cycles Qualitative (Grade 1 to Grade 5)
		Inflated Diaphragm	ASTM D 3886: 1999 (2011) e1	Qualitative (Grade 1 to Grade 5)
		Flexing And Abrasion	ASTM D 3885: 07a (2011)	10 Cycles to 1,00,000 Cycles

Laboratory Intertek Lanka (Pvt.) Ltd. (Softline Division), 282, Kaduwela Road, Battaramulla, Sri Lanka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 31.01.2016

Certificate Number T-2818 **Valid Until** 30.01.2018

Last Amended on 05.02.2016 **Page** 3 of 4

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textile & Textile Accessories	Pilling Resistance		
		Pilling Box Method	BS EN ISO 12945-1: 2001	Qualitative (Grade 1 to Grade 5)
		Martindale Tester	ASTM D 4970: 10 e1	
		Random Tumble Pilling	ASTM D 3512: 2014	
		Elastomeric Pad	ASTM D 3514 : 2014	
		Modified Martindale	BS EN ISO 12945-2: 2000	
		Width of Textile Fabric	ISO 3932: 1976 ASTM D 3774: 1996 (2012)	1 cm to 200 cm
		Stretch & Recovery - Woven Fabrics	ASTM D3107: 07(2011)	Stretch Upto 100 % Recovery Upto 90 % Growth Upto 20 %
	Stretch And Recovery - Knitted Fabrics	ASTM D2594: 04 (2012)	Stretch Upto 50 % Recovery Upto 90 % Growth Upto 20 %	
	Residual Elongation & Extension	BS 14704-1: 2005 Method A	Stretch Upto 50 % Recovery Upto 90 % Growth Upto 20 %	
	Water Repellency	AATCC 22: 2014 ISO 4920: 2012	0 to 100 rating (ISO 0 to 5)	
	Water Absorbency	AATCC 79: 2014	1 s to 60 s	
	Snagging Resistance	BS 8479: 2008	Qualitative (Grade 1 to Grade 5)	

Laboratory Intertek Lanka (Pvt.) Ltd. (Softline Division), 282, Kaduwela Road, Battaramulla, Sri Lanka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 31.01.2016

Certificate Number T-2818 **Valid Until** 30.01.2018

Last Amended on 05.02.2016 **Page** 4 of 4

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textile & Textile Accessories	Slide Fasteners (Zips) Specifications	BS 3084: 2006	10 N to 600 N
		Strength of Puller Attachment	Clause. 5.3 (Annexure B)	
		Strength of Close End	Clause. 5.4 (Annexure C)	
		Strength of Top Stop	Clause. 5.5 (Annexure D)	
		Strength of Open End Fastener Box	Clause. 5.6 (Annexure E)	
		Lateral Strength of Fastener	Clause. 5.8 (Annexure G)	
		Lateral Strength of Slider Locking Device	Clause. 5.10 (Annexure I)	
		Open End Fastener Single Stringer Slider Retention	Clause. 5.11 (Annexure J)	
		Sharp Edge	ASTM F 963-2011 Clause. 4.7 CPSC 16 CFR 1500.49: 2012 BSEN 71 (Part 1): 2011 Amd. 3: 2014 Clause. 4.7	Qualitative
		Sharp Point	ASTM F 963-2011 Clause. 4.9 CPSC 16 CFR 1500.48: 2012 BSEN 71 (Part 1): 2011 Amd. 3: 2014 Clause. 4.8	Qualitative
	Small Parts (Chocking Hazard Test)	CPSC 16 CFR 1501: 2012 BSEN 71 (Part 1): 2011 Amd. 3: 2014	Qualitative	
	Removal Force of Attached Components	BS 7907: 2007 Annexure B	20 N to 1 kN	

-X-X-X-X-X-X-X-X-X-X-X-X-X-