

<b>Laboratory</b>	<b>BGMEA Laboratory, BGMEA Complex, 23/1 Panthapath Link Road, Karwan Bazar, Dhaka, Bangladesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>11.01.2014</b>
<b>Certificate Number</b>	<b>T-2801</b>	<b>Valid Until</b>	<b>10.01.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. TEXTILE MATERIALS</b>				
<b>1.</b>	<b>Textiles, Garments and Accessories</b>	Dimensional Stability & Appearance	ISO 6330: 2012 BS EN ISO 6330:2001/Amd:2009 ISO 5077: 2007 AATCC 135: 2012 AATCC 150: 2012	-50 % to 50 %
		Spirality/ Skewing of fabrics & garment	AATCC 179: 2012 ISO 16322-1: 2005 ISO 16322-2: 2007 ISO 16322-3: 2005	1 % to 50 %
		Tensile Strength	BS EN ISO 13934-1: 2013 BS EN ISO 13934-2: 2014 ASTM D 5034: 09 (2013) ASTM D 5035: 2011	5 N to 2500 N
		Bursting Strength	BS EN ISO 13938-1: 1999 BS EN ISO 13938-2: 1999 ASTM D 3786/ D 3786 M: 2013	69 kPa to 900 kPa (10 psi to 130 psi)
		Pilling Resistance, Pilling Box	BS EN ISO 12945-1: 2001	Grade 1 to 5
		Pilling Resistance, Martindale	BS EN ISO 12945-2: 2000 ASTM D 4970/ D 4970 M: 2010	Grade 1 to 5
		Snagging Resistance	BS PD 6527: 1990 ASTM D 3939/ D 3939 M: 2013	Grade 1 to 5
		Seam Performance	ASTM D 1683/ D 1683 M: 2011a ASTM D 434: 1995 BS EN ISO 13935-2: 2014 ISO 13935-2: 2014 ISO 13936-1: 2004 ISO 13936-2: 2004	Upto 10 mm (Seam Slippage) 5 N to 2500 N (Strength)

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	<b>Textiles, Garments and Accessories</b>	Abrasion Resistance (Martindale)	ASTM D 4966: 2012 ISO 12947-1:1998/Cor1: 2002 ISO 12947-2:1998/Cor1: 2002 ISO 12947-3:1998/Cor1: 2002 ISO 12947-4:1998/Cor1: 2002	Upto 100000 Rubs Grade 1 to 5
		Fabric Weight (Mass per unit area)	ASTM D 3776/ D3776 M: 09a (2013) Option C ISO 3801: 1977 (Method 5)	20 gsm to 1000 gsm
		Stretch & Recovery	BS EN 14704-1: 2005 BS 4952: 1992 (2002)	1 % to 200 %
		Thread per unit length of woven fabric	ISO 7211-2: 1984 ASTM D 3775: 2012	(2 to 80) per cm (5 to 200) per Inch
		Course & Wales per unit length of Knit fabric	ASTM D 3887: 1996 (R 2011)	(2 to 80) per cm (5 to 200) per Inch
		Resistance to Unsnapping of Snap Fastner	ASTM D 4846: 1996 (R 2011)	5 N to 50 N
		Tear Strength	BS EN ISO 13937-2: 2000 ASTM D 2261: 2013	5 N to 2500 N
		Zipper Strength	BS 3084: 2006 ASTM D 2061: 2007 (2013)	5 N to 2500 N
		Tension Test	ASTM F963: 2011 16 CFR 1500.51-53: 2008	5 kgf to 30 kgf (Qualitative)
		Attachment Strength (Removal force)	BS 7907: 2007	5 N to 1000 N
<b>2.</b>	<b>Textile Yarn</b>	Single thread Yarn Strength & Elongation	ASTM D 2256/ D 2256 M: 2010e1 BS EN ISO 2062: 2009 ISO 2062: 2009	5 N to 100 N (0.5 kg to 10 kg) 1 % to 50 %

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