

Laboratory Testing Laboratory of Birla Century, 826, GIDC Industrial Estate,
Jhagadia, Bharuch, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7848 (in lieu of T-2327, T-2328)

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Validity 12.09.2018 to 11.09.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>CHEMICAL TESTING</u>				
I.	TEXTILES (WOVEN & NON WOVEDS)			
1.	Finished Fabrics	Dimensional changes of fabrics after Home laundering	AATCC 135: 2015, ISO 6330: 2012, ISO 3759: 2011, ISO 5077: 2007	(+)5.0% to (-)20%
		pH of the water-extract from wet-processed textiles	AATCC 81: 2016	1 to 14
		Colour fastness to crocking	AATCC 8: 2016 (Crockmeter method)	Qualitative (Grade 1 to 5)
		Colour fastness to laundering: Accelerated	AATCC 61 2A: 2013	Qualitative (Grade 1 to 5)

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<u>MECHANICAL TESTING</u>				
I.	TEXTILES (WOVEN & NON WOVEDS)			
1.	Finished Fabrics	Warp and Filling count of woven fabrics	ASTM D 3775: 2012 ISO 7211/2: 1984	10 per cm to 100 per cms 25 to 250 per inch
		Width of fabric	ASTM D 3774-96: 2016 ISO 22198: 2006	100 cms to 300 cms
		Weight of fabric	ASTM D 3776/3776, M-9a: 2017 ISO 3801:1977	50 GSM to 500 GSM
		Breaking strength of textile fabrics (Grab test)	ASTM D 5034-09: 2017 ISO 13934-2: 2014	Strength:50 N to 1500 N 5.0 kgf to 150 kgf Elongation:1% to 200%
		Tearing strength of fabrics by falling-pendulum (Elmendorf-type)	ASTM D 1424-09: 2013 ISO 13937-1: 2000	0.2 N to 57N 200 g to 5700 g
		Pilling Resistance: Martindale Tester	ASTM D 4970/D4970M-16	Qualitative (Grade 1 to 5)