



Textile Testing International

A division of Total Testing Solutions Inc.

Prompt Service Assured



Tests Offered LIST LEATHER



Prepared by: _____ Sign Reviewed by: _____ Sign Approved by: _____ Sign

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Procedure & regulations for customers:

1. Our services are subject to terms and conditions described on the lab Test Report. A copy of terms and conditions is available on request.
2. Application received after 1:00 PM will be entertained as submissions of following working day. The laboratory remains closed on Sunday and public holidays.
3. Samples are to be submitted along with the proper testing information as per test requisition form. Test Requisition Form available on request.
4. Standards, requirements and regulations of the destined countries will be the basis for our testing and analysis.
5. The Test reports are ready within 2-3 working days after receipt of sample at Tti without any additional up-charge. Some special tests may take longer time to complete.
6. Where the test request covering several tests requiring different testing times, the final test report will not be issued until all tests are completed. However, verbal test results for the completed tests can be given upon request.
7. Payment for the requested test items should be cleared before delivery of the test report.
8. Price for tests not indicated in the price list will be quoted upon request.
9. International facsimile, IDD and courier costs as incurred would be charged to the account of customer.
10. For any additional information please contact our customer services help line **111 786 001**.



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A - Color Fastness Related Test (s)

Sr. NO	Test Description	Code	Test Method
1-L	Color fastness to Light – Xenon arc lamp	1.1L	AATCC 16 Up to 20 AFU exposure
		1.2L	Each additional 10 AFU exposure
			EN ISO 105B02, ISO 105 B02
		1.11L	Exposure up to BW grade 4
		1.12L	Exposure up to BW grade 5
		1.13L	Exposure up to BW grade 6 or above
			SLF 402, IUF 402
		1.21L	Exposure up to BW grade 4
		1.22L	Exposure up to BW grade 5
		1.23L	Exposure up to BW grade 6 or above
2-L	Color fastness to dry cleaning	2.1L	SLF 434, IUF 434
		2.2L	SLF 12, ISO 105 D01
3-L	Color fastness to water & artificial perspiration	3.1L	SLF 10
4-L	Color fastness to water spotting	4.1L	SLF 420, IUF 420
		4.2L	ISO 105 E07
5-L	Color fastness to water	5.1L	SLF 421 (IUF 421)
		5.2L	ISO 11642
6-L	Color fastness to formaldehyde	6.1L	SLF 424 (IUF 424)
7-L	Color fastness to crocking	7.1L	IUF 425, SLF 452
		7.2L	ISO 11640
8-L	Color fastness to perspiration	8.1L	EN ISO 11641
		8.2L	SLF 426 (IUF 426)
9-L	Fastness to machine washing	9.1L	FLF 435, IUF 435
10-L	Fastness of leather to washing	10.1L	SLF 423 (IUF 423)



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B - Chemical Related Test (s)

Sr. NO	Test Description	Code	Test Method
21-L	Determination of volatile matter	21.1L	SLC 3, BS 1309
22-L	Determination of substances soluble in Dichloromethane (fats & other soluble)	22.1L	EN ISO 4048
23-L	Composition of synthetic leather	23.1L	Lab develop method
24-L	Determination of pH	24.1L 24.2L 24.3L	EN ISO 4045 SLC 13 (IUC 11) SLC 120
25-L	Detection of AZO colorants in dyed leather	25.1L 25.2L 25.3L 25.4L	ISO TS 17234 CEN ISO 17234 IUC 20 (SLC 24) IUC 21 (SLC 25)
26-L	Determination of formaldehyde contents	26.1 26.2	ISO TS 17226 CEN ISO TS 17226
27-L	Lead contents	27.1L 27.2L 27.3L	16 CFR part 1303 ASTM E1613, ASTM E1645 EPA 3050B
28-L	Determination of nickel contents	28.1 28.2 28.3	BS EN 1810 BS EN 1811 BS EN 12472
29-L	Determination of cadmium	29.1	EN 11220
30-L	Determination of Chromium (VI) contents	30.1L 30.2L 30.3L 30.4L 30.5L 30.6L	ISO 17075 IUC 18 IULTCS 18 SLC 22 EN 420 CEN TS 14495
31-L	Determination of moisture	31.1	SLC 113, SLT 2/3a
32-L	Determination of total solids	32.1	SLC 114 SLT 2/3b
33-L	Assessment of Antibacterial finishes	33.1	AATCC 100
34-L	Assessment of antibacterial activities	34.1	AATCC 147



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C - Mechanical / Performance Related Test (s)

Sr. NO	Test Description	Code	Test Method
51-L	Measurement of Tensile strength & Elongation %	51.1L 51.2L	IUP 6 SLP 6
52-L	Measurement of Tear Load		
	■ Double edge tear	52.1L 52.2L 52.3L	IUP 8 SLP 7 BS EN ISO 3377-2
	■ Single edge tear	52.4L	IUP 40, SLP 40
53-L	Measurement of Thickness	53.1L 53.2L	IUP 4, SLP 4 EN ISO 2589
54-L	Oil Repellency	54.1L	AATCC 118
55-L	Water repellency; spray test	55.1L 55.2L	IUP 37, SLP 53 AATCC 22
56-L	Measurement of dry heat resistance	56.1L	IUP 35, SLP33
57-L	Abrasion Resistance		
	◆ Martindale		ASTM D4966
		57.1L 57.2L 57.3L	Up to 5,000 Cycles Up to 10,000 Cycles Each additional 5,000 Cycles
			BS EN ISO 12947
		57.11L 57.12L 57.13L	Up to 5,000 Cycles Up to 10,000 Cycles Each additional 5,000 Cycles
	◆ Taber Abrader		ASTM D3884
		57.21L 57.22L	Up to 1,000 Cycles Each additional 1,000 Cycles