

Analyses

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ANALYSIS

1. Linear Density
2. Fibre Diameter
3. Fibre Birefringence
4. Breaking Strength and Elongation of Fibres
5. Breaking Tenacity of Flat Bundles
6. Length and Length Distribution of Fibres
7. Cotton Fibre Maturity
8. Number of Filaments
9. Coatings, Preparation
10. Fibre Melting Point
11. Fibre Composition – 3 Components
12. Cotton Polymerisation Degree
13. Determination of Humidity
14. Fibre Damage – Chemical
15. SEM or OM Image or FTIR Spectrum – 1 Image
16. SEM analysis (price per hour)
17. FTIR analysis (price per hour)
18. Photographing and Digital Photograph Processing (price per hour)

STANDARD

- SIST EN ISO 1973
- SIST EN ISO 137
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- SIST ISO 5079
- SIST ISO 3060
- SIST ISO 6989
- ASTM D 1442-06
- DIN 53 840 Teil 1
- DIN 54278-1
- SIST EN ISO 3146 (metoda B)
- SIST EN ISO 1833
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- SIST ISO 6741
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YARN AND THREAD

ANALYSIS

1. Linear Density of Yarn
2. Breaking Strength and Elongation
3. Direction of Twists in Yarn and in Similar Products
4. Twists, Rotations
5. Twists in Yarns, Removed from Fabric
6. Number of Filaments
7. Number of Capillary Breakages
8. Extraction (% fat deposit)
9. Viscoelastic Properties of Elastomeric Yarn
10. Uniformity of Strands, Yarns and Threads
11. Number of Bends until Breaking Point
12. Elastic Characteristics of Yarn
13. Shrinkage during Filament Boiling

STANDARD

- SIST EN ISO 2060
- SIST ISO 2062
- SIST ISO 2
- SIST EN ISO 2061
- SIST ISO 7211-4
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- DIN 54278-1
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- SIST DIN 53817-1
- SIST DIN 53817-2
- SIST EN ISO 9073-7
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- ASTM D 2259

FLAT TEXTILES

ANALYSIS

1. Design of Woven Fabrics and Knitwear
2. Width and Length of Flat Textiles
3. Mass per Unit Area of Small Samples
4. Determination of number of threads per unit length
5. Linear Density of Yarn Removed from Fabric

STANDARD

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- SIST EN 12127
- SIST EN 1049-2
- ISO 7211-5

6. Compressibility	–
7. Thickness of Textiles	SIST EN ISO 5084
8. Breaking Strength and Elongation	SIST EN ISO 13934-1
9. Further Tear Force (Elmendorf)	ISO 13937-1
10. Further Tear Force (sample in the form of trousers)	ISO 13937-2
11. Further Tear Force (sample in the form of tongue)	ISO 13937-4
12. Bursting Strength	ISO 13938-2
13. Breakthrough Strength	–
14. Abrasion Resistance - Thread Tear	ISO 12947-2
15. Abrasion Resistance – Loss of Mass	ISO 12947-3
16. Abrasion Resistance – Appearance Change	ISO 12947-4
17. Surface Fuzzing and Pilling Resistance	ISO 12945-1
18. Surface Fuzzing and Pilling Resistance	ISO 12945-2
19. Resistance to Surface Wetting (SPRAY TEST)	SIST EN ISO 24920
20. Water Capacity (Capillarity)	DIN 53 924
21. Determination of Water Penetration – Hydrostatic Pressure Test	SIST EN 20811:1996
22. Determination of Pore Size	–
23. Water Vapour Permeability	ASTM E96/E96M
24. Air Permeability	SIST EN ISO 9237
25. Oil Repellency	ISO 14419
26. Crease Recovery Angle of Horizontal Fold Sample	ISO 2313
27. Dimensional Changes in Washing	SIST EN ISO 25077
28. Colour Determination	SIST EN ISO 105-J01
29. Domestic Washing and Drying Procedures	SIST EN ISO 6330
30. Colour Fastness – Washing	ISO 105-C06
31. Colour Fastness – Perspiration	SIST EN ISO 105-E04
32. Colour Fastness – Dry/Wet Rubbing	SIST EN ISO 105-X12
33. Colour Fastness – Artificial Light	ISO 105-B02
34. Colour Fastness – Artificial Light + Rain Simulation	ISO 105-B04
35. Colour Fastness – Sea Water	ISO 105-E02
36. Colour Fastness – Water	ISO 105-E01
37. Colour Fastness – Water Droplets	ISO 105-E07
38. Colour Fastness – Dry Cleaning	ISO 105-D01
39. Colour Fastness – Ironing	ISO 105-X11
40. Colour Fastness – Organic Solvents	ISO 105-D02
41. Domestic Laundering Procedures for Textile Fabrics prior to Flammability Testing	SIST EN ISO 12138
42. Burning Behaviour of Curtains	SIST EN 1101
	SIST EN 1102
43. Burning Behaviour of Textiles	SIST EN ISO 6940
	SIST EN ISO 6941
44. Evaluation of Electrostatic Properties	–
45. Burning Behaviour – Protective Clothing	SIST EN ISO 15025
46. pH of Water Extract	SIST EN ISO 3071
47. Determination of Dichloromethane-soluble Matter	SIST ISO 3074
48. Formaldehyde Content	ISO 14184-1
49. Seam Slippage	SIST EN ISO 13936-1
50. Heat Conductivity – Thermal Conductivity	DIN 52 612 (Teil 1)
51. Folding	DIN 53 359
52. Gloss Measurements	–
53. UV Protection	AS/NZS 4399

TOYS

ANALYSIS	STANDARD
1. Simulation of the Oesophagus	EN 71-1/8.2
2. Resistance to Toy-part Rotation	EN 71-1/8.3
3. Tensile Test of Base Material	EN 71-1/8.4.2.1
4. Seam Strength	EN 71-1/8.4.2.2
5. Fall Resistance	EN 71-1/8.5
6. Shock Resistance	EN 71-1/8.7
7. Pressure Resistance	EN 71-1/8.8
8. Wettability Test	EN 71-1/8.9
9. Roll-over Test	EN 71-1/8.6
10. Flammability	EN 71-2
11. Tearing-resistance Test	EN 14350-1