

MATERIALS & TEXTILE LABORATORY



Seam Fatigue Tester



Universal Strength Tester



Weather-o-meter and Light Fastness Tester



Vertical Flammability Tester



Strength Tester

Testing and analysis services are provided in the Materials and Textile Laboratory to meet the requirements of the Automotive, Textile, Leather, paper, sponge etc. sectors using national and international standards.

AUTOMOTIVE MATERIALS TESTINGS

for Upholstery Fabrics, Plastics, Leather:

Light and Aging Tests

Aging under UV, Light and weather conditions

Flammability Tests

Vertical and Horizontal Flammability Tests, LOI Tests

Materials characterization and Determination of Composites

FT-IR, TGA, DSC, SEM, HS-TG-GC-MS, Chemical Analysis

Performance Testing

Fastness, Strength, Dimensional Stability, Seam Fatigue, Coating Breakage, Elasticity, Strokes, Bending

CONVENTIONAL TEXTILE TESTINGS

● **Fibres:** Length, Strength, Maturity, Moisture

● **Yarns:** Strength, Evenness, Scouring Shrinkage, Linear Density

● **Fabrics:** Weight, Thickness, Number of Picks and Ends, Counts

● **Fabric performance:** Strength, Fastness, Abrasion, Pilling, Dimensional Stability, Air permeability, Water resistance, Water Repellence, Wrinkle Recovery, Fastness and Flammability Testings

● **Seam Performance:** Seam Strength, seam Slippage

● **Clothing Accessories:** Zips, loop tapes, Press Buttons and Fastener Belts

● **Socks:** Bursting Strength, Elongation by Length and Width.

TECHNICAL TEXTILE TESTINGS

● Coated fabrics

● Non-woven,

● Medical textiles

● Protective clothing and gloves

● Fastener belts and Ropes

● Polymer and Polymeric Composite Materials