ANALYTICAL TESTING LAB

FSEM WITH EDS

DESCRIPTION: To determine surface morphology & elemental analysis
APPLICATION: Textiles, Composites & other materials

WIDE ANGLE XRAY DIFFRACTION

DESCRIPTION: To determine phase identification of a crystalline material
APPLICATION: All crystalline materials

SIMULTANEOUS DSC & TGA

DESCRIPTION: To characterize the thermo physical properties of a polymer

APPLICATION:
Organic and In-organic materials

UV SPECTROSCOPY

DESCRIPTION:
For determination of different analytes, such as transition metal ions, highly conjugated organic compounds and biological macro-molecules.
APPLICATION: All appropriate materials

FTIR

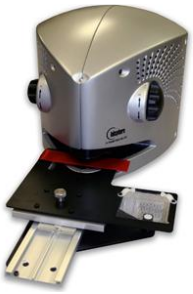
DESCRIPTION:
To obtain an infra spectrum of absorption, emission, photo conductivity of a solid, liquid or gas. (Chemical group identification)
APPLICATION: All polymeric materials

UV - WEATHEROMETER

DESCRIPTION: To study the accelerated life testing of materials under UV exposure
APPLICATION: Appropriate materials

STANDARDS: AATCC TM16, AATCC TM169, ASTM C1442, ASTM D3424 and many more.

UV TRANSMITTANCE ANALYSER



DESCRIPTION: To determine UV resistance of a material
APPLICATION: Textiles and other materials

STANDARDS: AS/NZS 4399:1996, EN 13758-1:2002, AATCC 183:2010

HYDRO HEAD TESTER

DESCRIPTION: To determine water flow resistance of a material
APPLICATION: Plastics, Textiles and other materials

STANDARDS: ATCC 127, ASTM F 1670, BS 2823, DIN 53886, EN 1734, EN 20811, FZ/T 01004 &others