

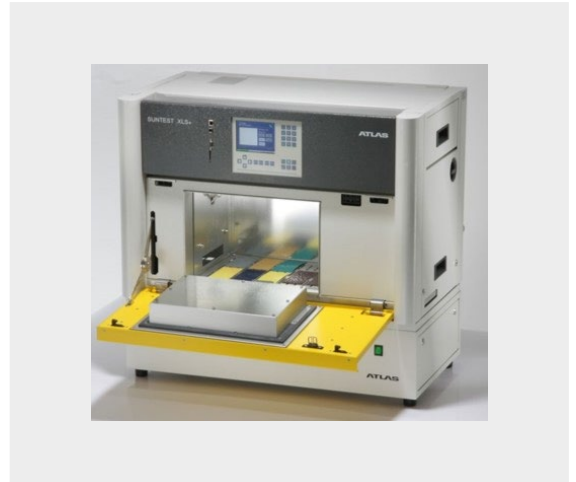
Equipment list

Suntest XLS+, ATLAS

The SUNTEST XLS+ is used to check for property changes of materials and products caused by sunlight, temperature and moisture in a short period of time.

Testing of accelerated lightfastness and weathering testing based on filtered xenon lamp technology.

Lightfastness testing aims at testing a material under solar radiation and temperature only – Weathering testing adds water and moisture to the test.



LAMBDA 365+ UV/Vis Spectrometer

Double beam UV/VIS.

Operating range 190 - 1100nm.

Light absorption or transmission spectrum of sample.

Liquid and film samples.



Equipment list

ARALAB Climate Chamber

Testa CT300 ECP45 climate chamber.

Environmental simulation testing, accelerated weathering, aging testing, exposure to weathering, exposure to temperature changes.

Temperature range -45°C to $+180^{\circ}\text{C}$.

Humidity range from 10% RH to 98% RH (at 10°C to 90°C).



Tensile testing machine

Wance Test Star testing equipment.

10 kN and 500 N load cells.

Measurement of tensile properties of plastics.





Brightplus

Equipment list

Pendulum impact test machine

Charpy impact testing on plastics materials.

Pendulum 4J and 15 J.

Notched (C)/Unnotched.



Melt flow indexer

Model MFI452B, Wance.

Melt flow rate MFR/Melt flow index or melt volume rate MVR of thermoplastics.





Brightplus

Equipment list

Heat seal tester

GBB-A1 Seal Tester.

For the determination of optimal heat sealing parameters:

- Sealing Temperature
- Dwell Time
- Pressure

For plastic packaging and other heat sealable films.

