METRASTAT

COLOR AND FLUORESCENCE

REFLECTOMETER

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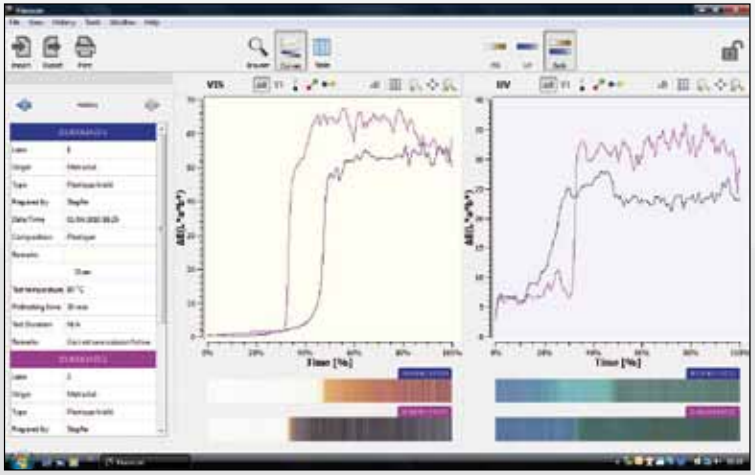

FLUOSCAN

APPLICATION SOFTWARE

www.metrastat.com

METRASTAT REFLECTOMETER

Evaluation of color changes and fluorescence intensity

If you want to evaluate quantitatively the progressive color changes observed on samples emerging from a METRASTAT testing oven, the automatic "TRUE COLOR" scanning reflectometer will give you precise and reproducible scientific information.

It will also measure the progressive fluorescence often observed in polymers during their thermal degradation. This is an indication of the stabilizer consumption during the test.

After being baked in the METRASTAT 800 or 905 oven on a special carrying frame holding five titanium carrying trays, up to five one inch wide samples are scanned simultaneously on the multiple track FLUOSCAN reflectometer.

The 5 captors of the apparatus operate in two separate modes of photoexcitation, one under **white light illumination**, the other under **UV light illumination**.

In either one of these two modes, the scanning reflectometer generates, on its integrated touch screen, a scaled image showing the progression of color change or fluorescence increase in each sample.

It also delivers the following color curves in the CIE L*a*b* color space as well as other useful parameters:

ΔE	Color Deviation Curve
L*	Lightness Curve
a* (>0)	Reddening Curve
a* (<0)	Greening Curve
b* (>0)	Yellowing Curve
b* (<0)	Blueing Curve
dt	Differential Curve
YI	Yellowness Index (ASTM E313)

The FLUOSCAN 3.0 application software processes the data collected from the reflectometer on an external, dedicated, computer.

Delivers images, tables and discoloration curves on screen and as exportable format in all three co-ordinates of the CIE L*a*b* color space.

SWISS MADE

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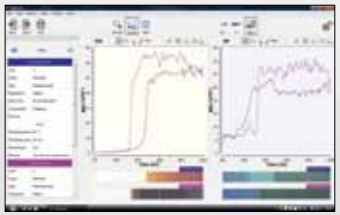

Manufactured by experts in polymer stability:

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