Polymer Char

CRYSTEX® 42, a high-throughput system for simultaneous measurement of the soluble fraction, ethylene content and intrinsic viscosity.

CRYSTEX® 42 is a large-capacity and fully-automated approach for obtaining the soluble fraction in homogeneous (pelletized) polypropylene and copolymers in two hours per sample including dissolution. This instrument stands as a modern alternative to the traditional wet chemistry method based on xylene solubility, known for being very time-consuming and requiring constant manual handling of solvent at high temperature.

Results are very precise due to automation and also due to the integration of an infrared detector (IR4), which precisely measures the amount of sample analysed as well as the ethylene content. For a truly complete analysis, the instrument also measures intrinsic viscosity by means of a built-in dual capillary viscometer. All these results are obtained simultaneously for the whole sample, the soluble fraction and the crystalline fraction.

ARABLAB Stand #565
Polymer Char
Valencia, Spain
http://www.polymerchar.com/CRYSTEX_42