

Macromex 2017 COURSE

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Thermo-Physical-Rheological Parameters to Characterize Materials – Concepts and Current Instrumentation

Thermo-Physical (thermal diffusivity, thermal conductivity, dimensional changes, heat capacity), Thermal DSC, TGA, Microcalorimetry (nDSC, nITC) and Rheological (including DMA) properties of materials are interlinked.

Current instrumentation and testing procedures allow this type of determinations from raw materials to formulation to processing conditions to final products. The information from such determinations permits when necessary, optimization/manipulations of formulations, processing conditions, quality control, product economy, product performance and even product shelf life.

This interactive course will address fundamental thermo-rheological concepts with everyday life experiences and with currently available modern/capable/complementary instrumentation.

RESUME



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