



#3313

Rheology

RHEOLOGICAL CHARACTERIZATION OF POLYMERIC MATERIALS

DESCRIPTION

Study of flow and deformation of polymeric materials under different conditions of shear, force, time and temperature.

AVAILABLE EQUIPMENT

- Dynamic Rheometer Rheometrics RDA II
- Dynamic Rheometer TA Instruments AR- G2

ADVANTAGES

- Small amount of sample is needed
- Different programmable shear, time and temperature analyses allow performing automatic specific tests according to international standards
- Viscoelastic properties can be evaluated under shear and extensional flows

APPLICATIONS

Viscoelasticity changes as a function of temperature, time and shear rate | Prediction of flow behavior of materials in processing and end-use conditions |

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