

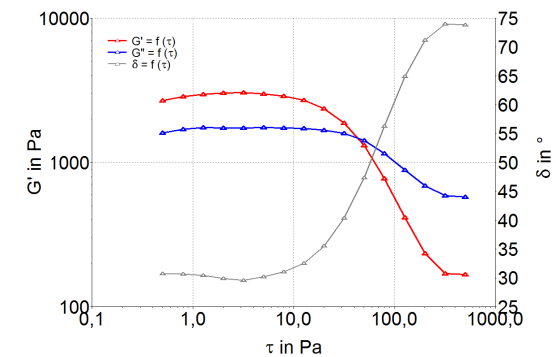
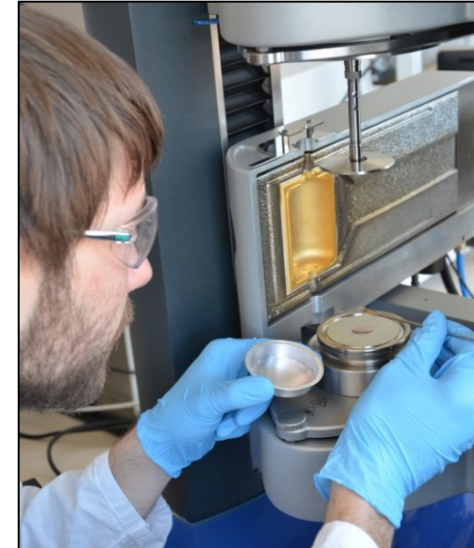
# Polymer analysis - rotation-type rheometer

## Technical data

Device	Thermo Scientific HAAKEMARS III
Temperature module	Peltier and high-temperature furnace
Temperature range	-15 to +600 °C
Normal force	0.01 to 50 N
Force resolution	0.001 N
Oscillation frequency range	$10^{-6}$ to 100 Hz
Special configuration	Solids chamber to carry out a dynamic-mechanical analysis Analyse (DMA)

## Areas of use / applications

- Determination of the deformation, flow and hardening behaviour of polymer materials
- Determination of the mechanical properties depending on the temperature and frequency
- Determination of the molecular mobility
- Investigation of the climatic influence on the chemical and physical properties of a polymer material in connection with the moisture generator Dataphysics HGC30



Determination of the gelling point of a polymer material