



Thermal analysis

DSC Analysis (differential scanning calorimetry)

- Temperature range -170°C – 600°C DIN EN ISO 11357-1
- Glass transition temperature DIN EN ISO 11357-2,
- Melting temperature DIN EN ISO/DIS 11357-3,
- Melting enthalpy, specific warmth capacity DIN EN ISO 11357-4,
- crystallization behavior



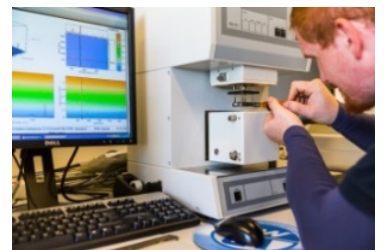
TGA (thermal gravimetric analysis)

- Temperature range 23°C – 1000°C DIN EN ISO 11358
- FTIR (infrared spectroscopy) with ATR Analysis
- Decomposition temperature, Analysis of gas phases and solid materials DIN 51006
- DIN EN ISO 9924-1; DIN EN ISO 9924-2; DIN EN ISO 21870



DMA (dynamic mechanical spectroscopy)

- Temperature range -170°C – 600°C
- Frequency range $0,01\text{Hz}$ – 100Hz
- Tensile test, three-point bend test and shearing test
- Dynamic viscosity, Glass transition temperature and temperature resistance
- DIN 53440, DIN 53513, DIN EN ISO 6721-1



TMA (Thermomechanical analysis)

- Temperature range -170°C – 600°C
- Temperature-dependent dimension variation,
- Glass transition temperature DIN 53752; ISO 11359-2
- DIN EN 14617-11

