Experimental Notes

Your Name — Science notebook

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0.1 Question

Does repeated cycling between $-20\,^{\circ}\mathrm{C}$ and $80\,^{\circ}\mathrm{C}$ change the sample's storage modulus? Define the acceptance criterion before looking at the final measurements.

0.2 Setup

Instrument: DMA-ooo. Sample: polymer strip, batch oo. Record calibration file, fixture, atmosphere, ramp rate and operator here. Keep a separate copy of raw instrument exports; this note records decisions and observations.

0.3 Run log

08:40 Calibration check passed; baseline displacement was stable.

09:15 First cycle completed. A small edge curl appeared after the hot hold.

10:30 Second cycle paused at the cold plateau to check the thermocouple.

0.4 Observations and decisions

Write what changed, why the change was made, and which raw file supports it.

Next action

Repeat the cycle with a fresh specimen and compare the fitted modulus at the same frequency.