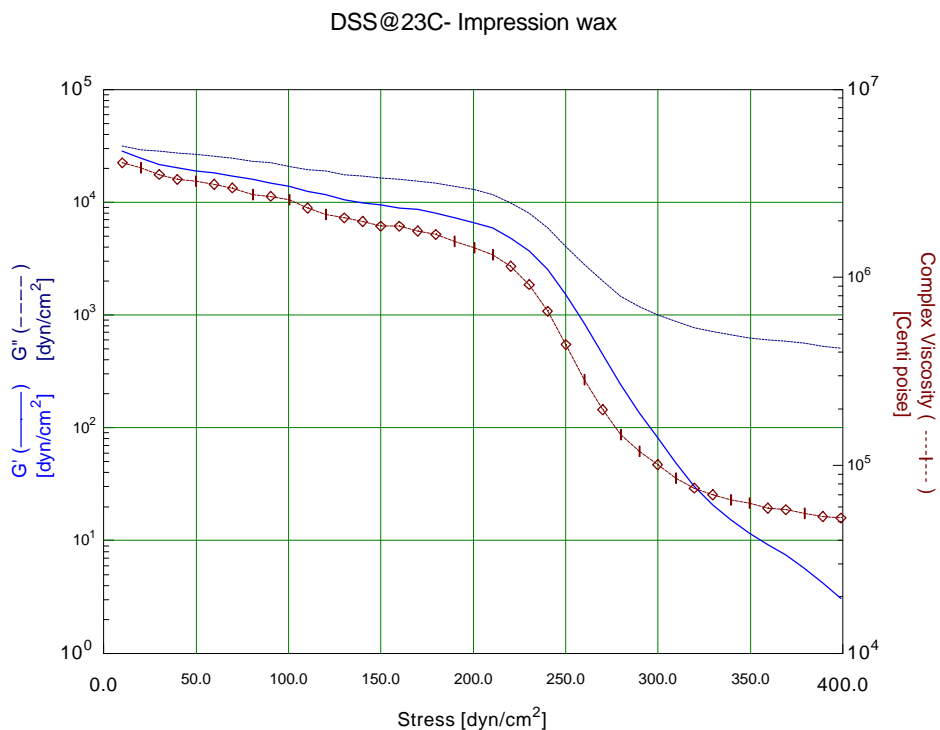


Dynamic Stress Sweep

Stress sweeps, also referred to as amplitude sweeps, are used as an efficient way to characterize material stability. The wider the linear viscoelastic range the more stable the material.

The wax material had a behavior similar to salad dressing. Stable to a certain stress, then the viscosity decreases gradually.

The following is a typical example for impression wax.



Dynamic Stress Sweep can be used for:

- Determination of the limits of linear viscoelasticity.
- Characterization of samples that exhibit extreme nonlinear behavior, such as filled thermoplastics, thermoplastic blends, etc.
- Normal quality control test for food applications, lotions, etc.