What does the initial storage modulus represent

What does a high and low storage modulus mean? A high storage modulus indicates that a material behaves more like an elastic solid,while a low storage modulus suggests more liquid-like behavior. ...

????(storage modulus)? ???? ?????,???????????????? ???? ????????????????????????,??????????????,? ...

This is appropriate if you know the amount of stress a material might be subjected to during real use. Define secant modulus for polymers. Secant modulus is the average modulus (total ??/total ??) ...

For the definitions of the symbols used, see forced sinusoidal oscillation. In a linear viscoelastic material, the strain ? = ? 0 cos ? t produces a stress. ? = ? 0 cos (? t + ?) = ? 0 cos ? cos ? t - ? 0 sin ? ...

The storage modulus, symbolized as G" (G-prime), represents the elastic portion of this response. It measures the energy stored and recovered during one oscillation cycle, corresponding to ...

Young"s Modulus: The Measure of Elasticity Young"s modulus, also known as the modulus of elasticity, is perhaps the most well-known and widely used type of modulus calculations. It ...

The storage and loss modulus tell you about the stress response for a visco-elastic fluid in oscillatory shear. If you impose a shear strain-rate that is cosine; a viscous fluid will have stress ...

The storage modulus is often times associated with "stiffness" of a material and is related to the Young""s modulus, E. The dynamic loss modulus is often associated with "internal friction" and is sensitive to ...