

In order to obtain the information for the entire interphase around a single fiber, a statistical estimate of the modulus imaging is done and the profile of the pixel count as a function of ...

Finite element analysis of the relationship between storage modulus and total displacement for polycarbonate with three different thicknesses. Download: [Download full-size image](#)

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

The findings show that the storage modulus master curves constructed using this technique have the same trend of those derived from quasi-static uniaxial compression tests and ...

Actually, the storage modulus drops at the miscible section, however the high elasticity nearby the mixing - demixing temperature causes a sudden change in the storage modulus [12], [43]. ...

The real (storage) part describes the ability of the material to store potential energy and release it upon deformation. The imaginary (loss) portion is associated with energy dissipation in the form of heat ...

A simple and applicable equation is recommended to forecast the storage and loss moduli of samples, which was not reported in the previous articles. This model considers the complex ...

The dynamic mechanical analyzer was used to evaluate the aging behavior of GINA gaskets in terms of dynamic mechanics, such as storage modulus and loss factor. Among them, storage modulus ...

The use of a photo-rheometer for stepwise modulus analysis provides data that would otherwise be unknown with traditional a standard rheometer. The addition of FTIR conversion ...

The storage modulus and  $T_g$  of DGEBA are lower than those of lignin-based epoxy resins, whereas DGEBA exhibits a larger  $\tan \delta$ . This further indicates that the intermolecular interactions and ...

Abstract Dynamic mechanical analysis (DMA) method is used to measure viscoelastic properties such as storage and loss moduli of materials. The present work is focused on developing a ...

