The higher the storage modulus

In both cases the complex modulus would be higher, as a result of the greater elastic or viscous contributions. The contributions are not just straight addition, but vector contributions, the angle between the complex modulus and the storage modulus is known as the "phase angle".

A similar parameter is loss modulus, which is the opposite of storage modulus, the polymer"s liquid-like character. When storage modulus is high, loss modulus is low, and vice versa . A polymer that is ...

Viscoelastic materials have two components, the storage modulus and the loss modulus. The storage modulus is the "spring-like" behavior of the material and the loss modulus is the "dash pot-like" ...

Picture a freshly baked cookie versus a steel spring. One crumbles under pressure while the other bounces back - that"s storage modulus in action! In technical terms, storage modulus ...

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]. ...

This can be done by splitting G* (the "complex" modulus) into two components, plus a useful third value: G"=G*cos (?) - this is the "storage" or "elastic" modulus

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 ...

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