

affine chain behaviour

Behaviour of a polymer network in which the junction points deform uniformly with the macroscopic deformation of the network.

Note:

In reality, affine chain behaviour can apply only at small deformations.

Source:

PAC, 2007, 79, 1801 (*Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007)*) on page 1818