Mindluster Platform

About the course Thermodynamics of Polymer Solutions

Thermodynamics of Polymer Solutions course in hindi, in this course Explore the principles governing the behavior of polymer solutions and their phase equilibria in various contexts.

Engineering Category's Courses

Course Lesson(25)

Lesson 1 : **Introduction to Polymer Physics Introduction Video**

Lesson 2 : **Introduction to Polymers**

Lesson 3 : **Ideal Chain Models**

Lesson 4 : **Ideal and Real Chains**

Lesson 5 : **Thermodynamics of Polymer Solutions I**

Lesson 6 : **Thermodynamics of Polymer Solutions II**

Lesson 7 : **Thermodynamics of Polymer Solutions III**

Lesson 8 : **Phase Behaviour of Polymer Solutions and Blends**

Lesson 9 : **Phase Behaviour of Polymer Blends and Copolymers**

Lesson 10 : **Determination of Polymer Molar Mass Osmometry**

Lesson 11 : **Determination of Polymer Molar Mass Static Light Scattering I**

Lesson 12 : **Determination of Polymer Molar Mass Static Light Scattering II**

Lesson 13 : **Determination of Polymer Molar Mass Viscometry and GPC**

Lesson 14 : **Branching Hyper branched Polymers**

Lesson 15 : **Branching Network Formation and Gelation**

Lesson 16 : **Gelation and Swelling of Network Polymers**

Lesson 17 : **Amorphous State of Polymers**

Lesson 18 : **Crystalline State of Polymers**

Lesson 19 : **Mechanical Properties of Polymers**

Lesson 20 : **Viscoelasticity Mechanical Models**

Lesson 21 : **Viscoelasticity Dynamic Mechanical Analysis and Rheology**

Lesson 22 : **Rubber Elasticity**

Lesson 23 : **Unentangled Polymer Dynamics**

Lesson 24 : **Entangled Polymer Dynamics**

Lesson 25 : **Review**

Related courses

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