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upper critical solution temperature

Recommended acronym: UCST

Critical temperature above which a mixture is miscible.
Notes:

1. Above the UCST and below the LCST, if it exists, a single phase exists for all compositions.
2. The UCST depends upon the pressure and molar-mass distributions of the constituent polymer(s).
3. For a mixture containing or consisting of polymeric components, these may be different polymers or species of different molar mass of the same polymer.

Source:
PAC, 2004, *76*, 1985 *(Definition of terms related to polymer blends, composites, and multiphase polymeric materials (IUPAC Recommendations 2004))* on page 1999

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