

isotactic macromolecule

A tactic macromolecule, essentially comprising only one species of configurational base unit, which has chiral or prochiral atoms in the main chain in a unique arrangement with respect to its adjacent constitutional units.

Notes:

1. In an isotactic macromolecule, the configurational repeating unit is identical with the configurational base unit.
2. An isotactic macromolecule consists of meso diads.

Source:

PAC, 1996, 68, 2287 (*Glossary of basic terms in polymer science (IUPAC Recommendations 1996)*) on page 2292