

METHOD FOR PRODUCING BLOCK COPOLYMER

ABSTRACT

An object of the present invention is to provide a method that enables producing a target block copolymer at a temperature of -5°C to 35°C . A method for producing a block copolymer of the present invention comprises a step (A) of polymerizing a vinyl aromatic monomer at -5°C to 35°C in a mixed solvent comprising at least one nonpolar solvent selected from methylcyclohexane and methylcyclopentane and an aprotic polar solvent using an anionic polymerization initiator; a step (B) of adding a conjugated diene monomer for further polymerization at -5°C to 35°C after the step (A); and a step (C) of adding a vinyl aromatic monomer for further polymerization at -5°C to 35°C after the step (B) if necessary.

[No Available Figure]