

ABSTRACT

As a method for producing a copolymer with a high oil absorption rate by separating a solvent from a copolymer solution containing a copolymer in a simple manner with a less energy consumption, the present invention relates to a production method for obtaining a copolymer by separating a solvent from a copolymer solution, the method including the following Steps A to C.

Step A: a step of regulating a solid component concentration (T_s) of the copolymer solution to a range of ($5 \leq T_s \leq 60$) in terms of a mass%,

Step B: a step of heating the copolymer (P) solution obtained in the Step A such that a temperature T ($^{\circ}\text{C}$) is in a specified range, and

Step C: a step of discharging the copolymer solution heated in the Step B from a specified nozzle at a linear velocity of 1 to 100 m/sec to separate the solvent in an inert gas stream at 0 to 200°C .