

ABSTRACT

5 A production method for water-absorbent resin particles containing a crosslinked polymer includes a preparation step of preparing a polymer solution that contains a polymer and a solvent, and a crosslinking step of crosslinking the polymer through a covalent bond to form the crosslinked polymer. The water-absorbent resin particles have a dissolution component index of 2×10^{-3} to 6×10^{-3} , which is represented by the following equation.

$$\text{dissolution component index} = \text{dissolved matter (g/g)}/\text{CRC (g/g)}$$