

ABSTRACT

A process for producing a water-absorbent resin particle comprising
subjecting a water-soluble ethylenically unsaturated monomer to a reverse phase
5 suspension polymerization, characterized in that the process for producing a
water-absorbent resin particle comprises the steps of (A) subjecting the water-
soluble ethylenically unsaturated monomer to a first-step reverse phase
suspension polymerization in a hydrocarbon-based solvent using a water-soluble
radical polymerization initiator in the presence of a surfactant and/or a polymeric
10 protective colloid, and optionally an internal crosslinking agent; (B) carrying out
at least one step of the procedures of adding an aqueous solution of a water-
soluble ethylenically unsaturated monomer containing a water-soluble radical
polymerization initiator and optionally an internal crosslinking agent to a
reaction mixture after the termination of the first-step reverse phase suspension
15 polymerization in a state that the surfactant and/or the polymeric protective
colloid is dissolved in the hydrocarbon-based solvent, and subsequently
subjecting the mixture to a reverse phase suspension polymerization; and (C)
post-crosslinking the resulting water-absorbent resin.