METHOD FOR ECONOMICAL PRODUCING OF RESIN COMPOSITION COMPRISING POLYALKYLENE CARBONATE WITH IMPROVED THERMAL STABILITY AND PROCESSABILITY

Abstract: The present invention relates to a method for an economical production of a resin composition comprising polyalkylene carbonate having improved thermal stability and processability. More specifically, provided is a method for producing a resin composition comprising polyalkylene carbonate, comprising the steps of: recovering monomers after polymerizing carbon dioxide and epoxide in the presence of a zinc-based catalyst and a solvent; removing the catalyst and recovering a raw material; blending a thermal stable resin with a solution in order to improve thermal stability and processability; and using a stirred flash drum and an extruded or kneaded type volatilizer to remove the solvent and byproducts from the reaction mixture.

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