

ABSTRACT

PREPOLYMERIZATION METHOD, PREPOLYMERIZED CATALYST
 COMPONENT FOR ADDITION POLYMERIZATION, AND METHOD FOR
 5 PRODUCING ADDITION POLYMER USING THE SAME

To provide a method which gives a prepolymerized catalyst
 component for addition polymerization with less fine powders.

A method for prepolymerizing monomers capable of addition
 10 polymerization, wherein the method comprises the following steps:
 (1) a step of preparing a mixture by mixing a solvent for polymerization with
 an organic compound (D) represented by Formula [2],
 (2) a step of prepolymerizing the monomers in the mixture in the presence of
 a catalyst prepared by bringing a compound (A) selected from among
 15 transition metal compounds represented by Formula [1] and their μ -oxo
 type transition metal compound dimers, and an activating agent (B) into
 contact with each other,

