

METHOD FOR CATALYST REMOVAL

ABSTRACT OF THE DISCLOSURE

A method for catalyst removal with which it is possible to easily remove the homogeneous catalyst from the polymer solution and to eliminate problems such as an equipment corrosion, an abnormality in the shape of polymer pellets, a deterioration of the polymer in hue or hygroscopicity, and a contamination of the polymer with a foreign matter. The method includes Step 1: a preparation step of the polymer solution, including a metallic component contained homogeneous catalyst and a water-insoluble organic solvent; Step 2: an adjustment step of a mixed polymer solution wherein the polymer solution, an additive, and water are mixed; and Step 3: a water layer removal step after a phase separation of the mixed polymer solution, wherein the additive is an alcohol and/or an ether, and a mixing amount of the additive in step 2 is 2 times mol or more with respect to 1 mol of a metal in the homogeneous catalyst, and 20 mass% or less with respect to the polymer solution.