

Abstract

CONTACT PRODUCT, AND CATALYST COMPONENT AND CATALYST FOR ADDITION POLYMERIZATION, AND PROCESS FOR PRODUCING ADDITION POLYMER

A contact product obtained by a process comprising the step of contacting a compound (a) represented by the formula, $M^1L^1_x$, a compound (b) represented by the formula, $R^1_{t-1}T^1H$, a compound (c) represented by the formula, $R^2_{t-2}T^2H_2$, and a nonionic surfactant (d) having no active hydrogen; a catalyst component for addition polymerization comprising said contact product; a catalyst for addition polymerization obtained by a process comprising the step of contacting said catalyst component with a compound of a metal selected from the group consisting of metals of the Groups 3 to 12 and Lanthanide Series of the Periodic Table, and optionally an organoaluminum compound; and a process for producing an addition polymer comprising the step of polymerizing an addition polymerizable monomer in the presence of said catalyst.