

ABSTRACT

MODIFIED PARTICLE, CATALYST COMPONENT FOR ADDITION
POLYMERIZATION, CATALYST FOR ADDITION POLYMERIZATION AND
PROCESS FOR PRODUCING ADDITION POLYMER

A modified particle obtained by a process containing contacting a Bi compound, a compound having an electron-withdrawing group and an active hydrogen and particle; and a catalyst component for addition polymerization containing the modified particle; a catalyst for addition polymerization prepared by a process containing contacting the modified particle(A) and a transition metal compound of Groups 3 to 11 or lanthanide series(B); and a catalyst for addition polymerization prepared by a process containing contacting the modified particle(A) and a transition metal compound of Groups 3 to 11 or lanthanide series(B) and an organoaluminum compound(C); and a process for producing an addition polymer with the catalyst.