

A metal compound obtained by a process comprising the step of contacting, in a specific ratio, a compound represented by the formula  $\text{BiL}_r^1$ , a compound represented by the formula  $\text{R}_{s-1}^1\text{TH}$ , and a compound represented by the formula  $\text{R}_{j-n}^2\text{J(OH)}_n$ ; a catalyst component for addition polymerization comprising the metal compound; a catalyst for addition polymerization using the catalyst component; and a process for producing an addition polymer using the catalyst.