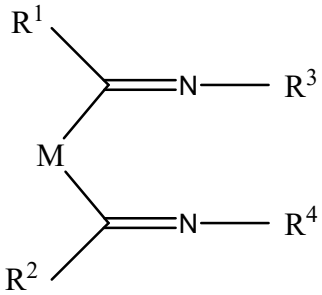
Abstract

~~Provided is a catalyst component for olefin polymerization. The catalyst component is obtained by reacting magnesium, titanium, a halogen and an internal electron donor, and the internal electron donor comprises an imine compound shown by the general formula Z. Also provided are a method for preparing the catalyst component, and an olefin polymerization catalyst containing the catalyst component. When the catalyst of the present invention is used in an olefin polymerization reaction, the catalyst activity and the isotacticity index of the polymer obtained are high, the catalyst activity decays slowly, and the molecular weight distribution of the polymer obtained is wider.~~

The present invention provides a catalyst component for olefin polymerization, obtained by a reaction of magnesium, titanium, halogen and an internal electron donor, the internal electron donor comprising an imine compound as shown in Formula Z. The present invention also provides a preparation method of the catalyst component, and a catalyst for olefin polymerization containing the same. When the catalyst of the present invention is used for olefin polymerization reaction, the catalyst has a high activity, and a slow rate of activity decay, and the obtained polymer has a high isotacticity index, and a wide molecular weight distribution.



Formula Z