

Abstract

The present invention relates to an olefin polymerization catalyst. Disclosed are a catalyst component for olefin polymerization, a preparation method therefor and a use thereof. The catalyst component of the present invention comprises a magnesium element, a titanium element, a halogen and an electron donor, wherein the electron donor comprises furan compounds and diether compounds. The molecular weight distribution of a low melt index polymer prepared when the catalyst component is used for olefin polymerization is broader than that of a high melt index polymer.