

[Document Name] Abstract

A solid catalyst component for olefin polymerization containing magnesium, titanium, a halogen, a carbonate compound (A) represented by the following general formula (1): $R^1-O-C(=O)-O-Z-O-R^2$ (1), and an ether compound (B) having two or more ether groups, wherein a proportion of the ether compound (B) in a total of the carbonate compound (A) and the ether compound (B) is 33.0 to 80.0 mol%. The invention can provide a solid catalyst component for olefin polymerization using an ether compound having two or more ether groups and a carbonate compound as internal electron donating compounds, wherein the solid catalyst component for olefin polymerization has, in the polymerization of olefins, a moderately wide molecular weight distribution of an olefin polymer obtained therefrom and can increase the polymerization activity.