

[Document name] Abstract

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[Problem to be Solved]

Provided is a solid catalyst component for olefin polymerization comprising an electron-donating compound other than a phthalate, the solid catalyst component being equal in the olefin-polymerizing activity and in the primary physical properties of the resulting polymer such as stereoregularity and molecular weight distribution to those with use of a phthalate as an electron-donating compound.

[Solution]

A solid catalyst component for olefin polymerization comprises a magnesium atom, a titanium atom, a halogen atom, an ester compound (A) represented by a general formula (1) and a diester compound (B) represented by a general formula (2), wherein a ratio represented by the following expression:

$$\frac{\text{(content (mass\%) of ester compound (A))}}{\text{(content (mass\%) of diester compound (B))}}$$

is 0.05 to 50.