



162162

ABSTRACT

A catalyst component for olefin polymerization, which comprises an ion-exchange layered silicate having the following features 1 and 2:

- 5 feature 1: in a pore size distribution curve calculated from desorption isotherm by nitrogen adsorption-desorption method, a pore diameter D_m showing a maximum peak intensity D_{VM} is from 60 to 200 Å; and
- 10 feature 2: in a pore size distribution curve calculated from desorption isotherm by nitrogen adsorption-desorption method, a pore diameter $D_{m1/2}$ (Å) on the smaller pore size side corresponding to a 1/2 peak intensity of the maximum peak intensity D_{VM} has a relation of $D_{m1/2}/D_m$ of at least 0.65 and less than 1,
- 15 provided that the largest value is employed when there are a plurality of $D_{m1/2}$ values.



G00002