

[Document Name] Abstract

Provided is a solid catalyst component for polymerization of olefins which is capable of producing a polymer that has very low adherence ascribable to the stickiness (tackiness) of polymer particles, is excellent in flowability, and also has a favorable particle size distribution, in order to polymerize olefins, particularly, to perform the copolymerization reaction, such as random copolymerization or block copolymerization, of propylene and ethylene. The solid catalyst component for polymerization of olefins comprises titanium, magnesium, a halogen atom and an internal electron donor, wherein the solid catalyst component has a multimodal pore volume distribution measured by a mercury intrusion method and has one or more peak tops in each of a pore radius range from 0.002 μm to 1 μm and a pore radius range from larger than 1 μm to 30 μm or smaller, and a ratio represented by pore volume V1 derived from pores in the radius range from 0.002 μm to 1 μm /pore volume V2 derived from pores in the radius range from larger than 1 μm to 30 μm or smaller is 0.30 to 0.65.