

ABSTRACT OF THE DISCLOSURE

SOLID CATALYST COMPONENT FOR α -OLEFIN POLYMERIZATION,
CATALYST FOR α -OLEFIN POLYMERIZATION, AND PROCESS FOR
PRODUCING α -OLEFIN POLYMER

The present invention relates to a solid catalyst component for α -olefin polymerization having a narrow particle size distribution of not less than 6.0 in terms of the value of N in a Rosin-Rammler function of particle size distribution and giving a catalytic activity of not less than 10,000 ((g-polymer produced/g-solid catalyst component)/hour) in polymerization.

According to the present invention, there can be provided a solid catalyst component for α -olefin polymerization capable of giving a poly- α -olefin having the high bulk density and favorable particle properties with high catalytic activity.

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