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ABSTRACT

Olefin polymers with a broad molecular weight distribution can be obtained while maintaining the high stereoregularity of the polymers by polymerizing olefins using a catalyst comprising (A) a solid catalyst component prepared by contacting (a) a dialkoxymagnesium, (b) a tetravalent titanium halide compound, and (c) an electron donor compound one another, (B) an organoaluminum compound of the formula $R^1_pAlQ_{3-p}$, and (C) an aminosilane compound of the formula $R^2R^3Si(OR^4)_2$.



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