

ABSTRACT

An olefin polymer that is obtained using an olefin polymerization catalyst that includes a solid catalyst component for olefin polymerization that includes titanium, magnesium, a halogen, and an ester compound (A) represented by the following
5 formula (1): $R^1R^2C=C(COOR^3)(COOR^4)$, an organoaluminum compound, and an optional external electron donor compound, exhibits primary properties (e.g., molecular weight distribution and stereoregularity) similar to those of an olefin polymer obtained using a solid catalyst component that includes a phthalic ester as an electron donor.