

Abstract

This invention relates to a supported nonmetallocene catalyst for olefin polymerization, which is produced by directly reacting a nonmetallocene ligand with a catalytically active metallic compound on a carrier through an in-situ supporting process.

- 5 The process according to this invention is simple and feasible, and it is easy to adjust the load of the nonmetallocene ligand on the porous carrier. The supported nonmetallocene catalyst according to this invention can be used for olefin homopolymerization/ copolymerization, even in combination with a comparatively less amount of the co-catalyst, to achieve a comparatively high polymerization activity. Further, the polymer
- 10 product obtained therewith boasts desirable polymer morphology and a high bulk density.