

Abstract

The present invention relates to the technical field of cracking catalyst preparation. Disclosed are a catalytic cracking composite catalyst and a preparation method therefor. The composite catalyst comprises catalyst A and catalyst B. The bulk density of catalyst A is 0.7-0.79 g/cm³, the bulk density of catalyst B is 0.81-0.87 g/cm³, and the bulk density ratio of catalyst A to catalyst B is 0.88-0.95. The dry-basis weight ratio of Y-type molecular sieves contained in catalyst A to those contained in catalyst B is 2-4:1. The composite catalyst has good wear resistance performance, achieves a high yield of low-carbon olefins and high propylene selectivity in heavy oil catalytic cracking, and increases the yield of low-carbon olefins without increasing the yield of heavy oil and diesel oil.