

ABSTRACT

The present application discloses a method for partially regenerating a methanol to olefin catalyst, comprising: placing a deactivated methanol to olefin catalyst in a regenerator to carry out a partial regeneration reaction to obtain a regenerated catalyst; at least a portion of the regenerated catalyst has a coke amount of more than 1%. The present application discloses a methanol to olefin process, the methanol to olefin reaction is carried out in a fluidized bed with the use of a methanol to olefin catalyst, wherein at least a portion of the regenerated catalyst has a coke amount of more than 1%.