

ABSTRACT

PROCESS FOR PRODUCING CATALYST FOR ETHYLENE POLYMERIZATION AND
PROCESS FOR PRODUCING ETHYLENE POLYMER

There are disclosed:

(1) a process for producing a catalyst for ethylene
5 polymerization, which comprises the step of contacting with one
another:

(i) a solid catalyst component containing at least
titanium, magnesium and halogen atoms;

(ii) an organoaluminum compound; and

10 (iii) a heterocyclic compound; and

(2) a process for producing an ethylene polymer, which
comprises the step of polymerizing ethylene, or ethylene and at
least one kind of an addition polymerizable comonomer other than
ethylene, in the presence of the above-mentioned catalyst.

15