

ABSTRACT

Provided is a method for producing a propylene polymer capable of conveniently and sufficiently reducing a catalyst residue in a propylene polymer. The method for producing a propylene polymer comprises the following step (1) and step (2):

step (1): a step of polymerizing propylene in the presence of a catalyst to obtain a propylene polymer;

step (2): a step of washing the propylene polymer obtained in step (1) with a deashing agent to remove a catalyst residue in the propylene polymer, the step satisfying the following formula (1):

$$4.4 \times \log(T) - \log(EW) > 0.34 \times (\delta(W) - \delta(E)) \quad (1)$$

wherein T represents a temperature (°C) at the time of washing the propylene polymer with the deashing agent; EW represents a water content (wt%) in the deashing agent; $\delta(W)$ represents a Hansen solubility parameter of water; and $\delta(E)$ represents a Hansen solubility parameter of the deashing agent.