

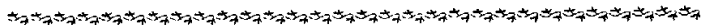
Influence of preparation process on catalytic activity of nickel skeleton catalyst

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Abstract: The influence of the preparation process on the activity of nickel skeleton catalyst has been studied. The test results show that in order to avoid the reaction overheat such as keeping the temperature less than 100 °C at the second stage and reduce the reaction time, the reaction temperature and the reaction time are controlled in stages according to the different particle size of the alloy. A proper pressure should be kept during the reaction. The nickel skeleton catalyst with high activity can be prepared by using the process of multi-stage dissolution with alkali solution and keeping mass fraction of residual aluminium in the catalyst to be 4%—6%.

Key words: nickel skeleton catalyst; catalytic activity; preparation



陶瓷网纹辊

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