

Incorporation Amin by Plasma Modification Process on Polymer with Basic Catalytic Activity

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Compared to homogeneous base catalysts, Solid base catalysts have more advantages. There is very easy separating from liquid products and decreases of both device corrosion and wastewater

In this study, Organic amine incorporated by modification of Melamine support using Low temperature plasma process with 1,2-diaminocyclohexane(DACH).

The immobilization experiments were conducted under various RF discharge powers and treatment times, in order to determine the optimal plasma conditions and Basic catalytic activity of prepared immobilized base was investigated in the Knoevenagel condensation between Ethyl cyanoacetate(ECA) and Benzaldehyde(BA).