

Regeneration of platinum catalysts

How to reduce the cost of catalyst Exchange?

Activity of a platinum catalyst decreases during the use due to gradual covering of the surface of catalyst balls by dust, pigments, and due to loss of platinum. Platinum may be also removed from the surface by mechanical abrasion in result of movements of the catalyst bed.

Regeneration of the spent catalyst restores its initial activity. During the process the surface of a catalyst is cleaned off the inhibiting substances and, if requested, platinum is added.

In close collaboration with the Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences in Cracow the „Katalizator” company tests the catalyst to establish:

- I. If the catalyst is suitable for regeneration;
- II. What is the proper method of catalyst regeneration;
- III. The quantity of platinum necessary to restore the catalyst activity.

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