MICROSPHERIC CRACKING CATALYST “LUX”

Description
The catalyst is intended for cracking of heavy oil feedstock to obtain the high-octane component of the autogasoline and the starting material for petrochemical production.

The catalyst is intended for the use on all types of cracking plants with microspheric catalyst.

Technical appraisal and economic benefits
- The high selection of gasoline fraction (up to 57% of mass);
- the better selectivity of conversion compared to the selectivity of the imported analogues according to commercial operating data;
- the high octane number (up to 92.8 according to the research method).

Application areas
The drastic oil processing to the high-octane autogasoline and petrochemistry raw production on the catalytic cracking units of KT-1/1, 43-103, 43-107, 1A-1M, GK-3 type.

Development stage
The commercial catalyst production by capacity of 4500 t/y was put into operation at the catalyst factory of JSC “Sibneft-Omskiy NPZ”. The catalyst “LUX” is in operation on two industrial cracking plants with the total feedstock capacity of 3.5 million tons per year.

Patent situation
This method of the catalyst production is patented in the Russian Federation.

Commercial offers
Sale of the license for production and use of the catalyst.
Support for catalyst operation on the industrial plant.

Estimated cost
The estimated cost of LUX is 80 000 rubles/ton.

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