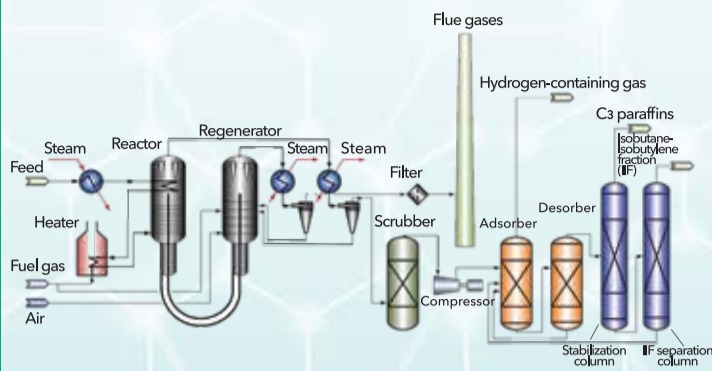


DEHYDROGENATION OF C₃-C₅ PARAFFINS IN A FLUIDIZED CHROMIA-ALUMINA CATALYST BED



Advantages compared to other catalytic dehydrogenation processes:

- vigorous mixing in the fluidized-bed reactors ensures the near isothermal operating regime;
- allows significant intensifying the heat and mass transfer processes in a fluidized bed;
- lower CAPEX and OPEX compared to other catalytic dehydrogenation processes;
- low cost of the end product.

OUR PETROCHEMICAL SOLUTIONS

DEHYDROGENATION OF LOWER PARAFFINS



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APPLICATION

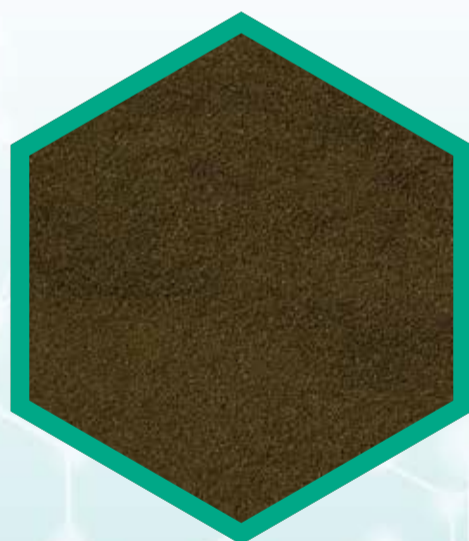
Dehydrogenation processes of C₃-C₅ in a fluidized bed.

FIELDS OF APPLICATION

- Petrochemical industry
- MTBE production
- Synthetic rubber production

FEATURES & BENEFITS

- High catalytic activity
- Homogeneous PSD (particle size distribution) ensures optimal hydrodynamic conditions of fluidization in the reactor
- Low consumption rate
- Low abrasivity at high strength



CHARACTERISTICS OF AOK-73-24, AOK-73-24 (RF), AOK-73-21

Parameter	Standard
Appearance	Powder of grey and green color
PSD	Customized according to specific needs of the Customer's unit
Bulk density, g/cm ³	1.0-1.4
Surface area, m ² /g	100-160
Catalytic activity at 570°C, %, min	
- Isobutane conversion	50
- Isobutylene selectivity	88