



indeHex
Food & Polymer Grade Hexane Process

indeHex[®]

Production of Polymer/Food Grade Hexane

Polymer/Food Grade Hexane (PGH/FGH) specifications are becoming stringent especially w.r.t. benzene content and the conventional clay treatment process has been replaced by hydrogenation process. To enable refiners to meet this specific requirement, IndianOil R&D has developed indeHex[®] technology for production of Polymer/Food Grade Hexane (PGH/FGH).

Salient Technology Features

indeHex[®] process is a catalytic process which converts Benzene to Cyclohexane & Olefins to Alkanes

Offers flexibility of producing PGH/FGH from either straight-run or side stream of Naphtha Hydrotreater Unit

Low Severity operation

Very low hydrogen consumption

Product yield above 99.5%



Major Benefits

- indeHex[®] process helps reduce Benzene below 10ppmv in hexane
- It can replace conventional clay treatment process for benzene reduction
- Production of value-added product from Naphtha stream

Commercial Experience

- 28 KTA grassroots unit commissioned in 2001-02 in one of the Indian refineries
- 20 KTA unit commissioned in 2012-13 in one refinery in India



For more information, please contact:



IndianOil

Mr. Avinash Jain

IndianOil R&D

Tel: +91-129-2294396

E-mail: inforndiocl@indianoil.in