Benzene Hydrogenation Catalyst (Aromatic)

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The HBC-10 platinum based benzene hydrogenation catalyst is used for hydrogenating benzene to generate cyclohexane. The aromatic hydrogenation catalyst is formed as a trilobe extrudate with the diameter of 1.5mm.

Physical Properties

Item	Index
Appearance	Trilobe extrudates
Specification (mm)	Φ1.5×5-15
Chemical Composition	Pt-promotor-Al_2O_3
Bulk Density (kg/L)	0.50-0.60
Surface Area (m^2/g)	180-260
Crushing Strength (N/particle)	Min. 120

Operation Conditions

Process Conditions	Hydrogen Partial Pressure (MPa)	Temperature (℃)	Space Velocity (hr^{-1})	Hydrogen to Benzene Ratio (moL/moL)
	4.0	165	1.5	10
Raw Material	25% benzene, 75% cyclohexane			
Activity Level	The conversion rate of benzene ≥ 99%, the selectivity of cyclohexane ≥ 99%, the content of methyl cyclopentane less than 100ppm			

Packing: Shrink wrap the benzene hydrogenation catalyst in 200L steel drums lined with plastic bags, with 3 or 4 drums per pallet.

Chempack is a leading benzene hydrogenation catalyst manufacturer, located in China. Since we were founded in 1970, we strive to provide the highest quality chemical products for customers all over the world. Through the use of reliable materials and advanced technologies, and by performing special quality inspections, we are happy to offer high quality of our arsenic removal, oxygen removal, alumina support ball, tower packing, and other products. As a result of our consistent dedication to product improvement and customer satisfaction, our company is ISO9001:2000 approved, and our products, are becoming increasingly popular with customers both in the domestic and overseas markets. If you have any need for the benzene hydrogenation catalyst, or other chemical products, please feel free to contact us. We at Chempack are confident that you will be satisfied with our high quality low priced products and attentive service!

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