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## Lubricant Hydrogenation Catalyst

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The HUA-1H lubricant hydrogenation catalyst is applicable to the hydrogenation of unsaturated aliphatic hydrocarbon and aromatic hydrocarbon, as well as the removal of organic sulfides from liquid hydrocarbon. The lubricant hydrogenation catalyst is either in the form of a  $\Phi 5$ mm cylinder or  $\Phi 2$ mm extrudate.

#### Physical Properties

Item	Standard	Item	Standard
Appearance	Black cylinders or extrudates	Nickel (wt %)	Min. 42%
Particle Size (mm)	$\Phi 5 \times 5$ (cylinders), 2.0*2-15(extrudates)		
Chemical Composition	Nickel- alumina	Surface Area (m <sup>2</sup> /g)	80-130
Crushing Strength (N/cm)	Min.130 (cylinders), Min.100 (extrudates)	Bulk Density (kg/L)	0.90-1.30

#### Operation Conditions

Process Parameters	Hydrogen Partial Pressure (MPa)	Temperature (°C)	Space Velocity (hr-1)	Hydrogen to Benzene Molecular Ratio
	0.1-2.0	120-230	0.1-4.0	3.5-10
Raw Material	Benzene content, 0.1-100%; Balance, cyclohexane			
Hydrogenated Products	Outlet benzene content, max. 100ppm; Benzene conversion, min. 99.5%.			

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

Founded in 1970, Chempack is a professional Chinese lubricant hydrogenation catalyst manufacturer and supplier, with abundant production experience in chemical products. We provide an extensive line of hydrotreating catalyst, sulfur recovery catalyst, carbon monoxide removal, tower packing, metal random packing, and more, to accommodate every customer need. Our company is ISO9001:2000 approved due to our management in strict accordance with international standards. Our high quality competitively priced chemical products are highly sought after by customers from many countries, such as Britain, Germany, Kuwait, Iran, Saudi Arabia, South Korea, Thailand, and New Zealand, to name a few.

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