
Selective Hydrogenation Catalyst

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The SHT-18 Pd-Pt-Al₂O₃ selective hydrogenation catalyst suits selective hydrogenation of reformed oil, in the form of a ϕ 1.5mm extrudate.

Physical Properties

Item	Standard	Item	Standard
Appearance	Yellow-brown extrudates	Bulk Density (kg/L)	0.70-0.80
Dimension (mm)	1.5×3-10	Surface Area (m ² /g)	Min. 170
Chemical Composition	Pd-Pt-Al ₂ O ₃	Crushing Strength (N/cm)	Min. 90

Operation Conditions

Process Parameters	Pressure (MPa)	Temperature (°C)	Space Velocity (hr ⁻¹)	Hydrogen to Oil Ratio (v/v)
	1.8-2.2	160-210	2.0-4.0	200-300
Feedstock	Distillates of reformed oil			
Activity	Bromine index, less than 0.1gBr/100g oil			
Selectivity	Aromatic loss, no higher than 0.5%			

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

Chempack is a leading selective hydrogenation catalyst manufacturer and supplier, located in China. Since we were founded in 1970, our goal is to consistently provide top quality chemical products at affordable prices for customers all over the globe. Through a number of strict quality control measures, purchasing superior raw materials and using advanced technologies, for instance, we are able to guarantee reliability of our arsenic removal, oxygen removal, tower packing, isomerization catalyst, etc. Today, our reliable products together with attentive service have won us a large number of customers from many countries, including Saudi Arabia, Germany, Jordan, Thailand, Indonesia, New Zealand, and others. If you are interested in our chemical products, please see related product webpage to find the right product for your application, or contact us directly for assistance. The staff at Chempack is ready and waiting to serve you.

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