

## Hydrotreating Catalyst

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The MNC-10 hydrotreating catalyst is composed of molybdenum (Mo), nickel (Ni), and cobalt (Co). The CoMoNi catalyst has excellent hydrodenitrogenation (HDN) and hydrodesulfurization (HDS) performance. In the form of a  $\Phi$ 1.5-2.5mm trilobe extrudate, the hydrotreating catalyst can be used for alkene saturation, and hydrotreating of light straight distilled oil, inferior gasoline from secondary processing, and platforming materials.

#### Physical Properties

Item	Standard	Item	Standard
Appearance	Trilobe extrudates	Pore Volume (ml/g)	Min. 0.40
Particle Size (mm)	$\Phi$ (1.5-2.5)*(2-10)	NiO (wt %)	4.0-5.5
Crushing Strength (N/cm)	Min.150	MoO <sub>3</sub> (wt %)	15.0-17.0
Bulk Density (kg/L)	0.68-0.75	CoO (wt %)	Min. 0.03
Surface Area (m <sup>2</sup> /g)	Min. 200		

#### Activity Index

Process Parameters	Hydrogen Partial Pressure (MPa)	Temperature, (°C)	Space Velocity, (hr <sup>-1</sup> )	Hydrogen to Oil Ratio (V/V)
	3.0	320	1.5	500
Raw Material	Daqing coked gasoline			
Processed Oil	Alkaline nitrides, max. 0.5mg/L			

#### Physical Properties

Process Parameters	Hydrogen Partial Pressure (MPa)	Inlet Reaction Temperature (°C)	Space Velocity (hr <sup>-1</sup> )	Hydrogen to Oil Ratio (V/V)
Platforming Material	1.5-2.5	270-300	2.0-4.0	100-200
Secondary Processed Oil	1.5-3.0	220-240	1.5-3.0	400-500
Kerosene	1.5-4.5	260-290	1.2-2.0	400-500
FCC Diesel	2.5-4.5	270-320	1.0-2.0	400-500

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

Chempack, a leading Chinese hydrotreating catalyst manufacturer, has accumulated much production experience in the chemical product industry. By introducing sophisticated technologies and purchasing superior materials, we are able to produce reliable arsenic removal, oxygen removal, molecular sieve, and related products, for customers worldwide. High quality products, coupled with our attentive service, have won us customers from many countries, including Britain, Germany, Kuwait, Iran, Syria, Jordan, South Korea, New Zealand, and more. If you have any need for our products, please feel free to contact us and try our products. We at Chempack are ready and waiting to serve you.

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