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## Hydrotreating Catalyst

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The WNA-10 hydrotreating catalyst, or tungsten (W) and nickel (Ni) based catalyst, is used for the hydrotreating of gasoline and diesel from secondary process. The catalyst is in the form of a  $\Phi$ 1.6mm trilobe extrudate.

#### Physical Properties

Item	Standard	Item	Standard
Appearance	Trilobe extrudate	Pore Volume (ml/g)	Min. 0.30
Particle Size (mm)	$\Phi$ 1.6*5-15	Chemical Composition	WO <sub>3</sub> -NiO-promoter-alumina
Crushing Strength (N/cm)	Min.150	Packing Density (kg/L)	0.80 to 0.85
Surface Area (m <sup>2</sup> /g)	Min. 120		

#### Activity Index

Process Parameters	Hydrogen Partial Pressure (MPa)	Temperature (°C)	Space Velocity, (hr <sup>-1</sup> )	Hydrogen to oil ratio, (V/V)
	6.0	360	2.0	800
Raw Material	Daqing coked diesel			
Processed Oil	Removal of basic nitrogen, min. 90%			

#### Operating Conditions

Process Parameters	Hydrogen Partial Pressure (MPa)	Inlet Reaction Temperature (°C)	Space Velocity (hr <sup>-1</sup> )	Hydrogen to Oil Ratio (V/ V)
FCC Diesel of Xinjiang, Shenli and Guanshu Oil	3.0-6.0	260-300	1.0-2.0	400-600
FCC Diesel of Guanshu Oil Blended with Residue Oil	3.0-6.0	270-310	1.0-2.0	400-600
Daqing Coked Diesel	3.0-6.0	280-320	1.0-2.0	500-800
Shenli Coked Diesel	6.0	290-330	1.0-1.5	600-800

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

As an experienced hydrotreating catalyst manufacturer and supplier located in China, Chempack strives to win customers by providing quality products. To do this, we set up a special inspection center to implement strict monitoring on each production procedure. This effectively guarantees reliable performance of our sulfur removal, arsenic removal, tower packing, and other products. Due to our management in rigid compliance with international standards, our company is ISO9001:2000 certified. Hence, you can feel secure in purchasing our products. Today, we have received large orders from many countries, including Germany, Britain, Kuwait, New Zealand, Thailand, South Korea, Philippines, among others. If you are interested in our hydrotreating catalyst, or other chemical products, please see our product webpage to find the right product for your needs, or contact us directly for assistance. The staff at Chempack is looking forward to hearing from you.

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