

## [Hydrotreating Catalyst](#)

### Hydrotreating Catalyst

The WMNC-10 hydrotreating catalyst, also a molybdenum (Mo), tungsten (W), cobalt (Co), and Nickel (Ni) based catalyst, is extensively adopted for hydrotreating low-grade gasoline and diesel from secondary process. In the form of a trilobe extrudate with the diameter of 1.6mm or 3.0mm, the hydrotreating catalyst has excellent properties of desulphurization, denitrogenation and dearsenization.

#### Physical Properties

Item	Standard	Item	Standard
Appearance	Trilobe extrudates	WO <sub>3</sub> , (wt %)	6-8
Particle Size (mm)	Φ1.6 or 3.0	MoO <sub>3</sub> (wt %)	18-22
Crushing Strength (N/cm)	Min.150	NiO (wt %)	1.5-2.5
Surface Area (m <sup>2</sup> /g)	Min.150	CoO (wt %)	2.8-3.8
Pore Volume (ml/g)	Min. 0.29	Packing Density (kg/L)	0.80 - 0.85

#### 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
Feed Stock	High sulfur diesel, the sulfur content about 20,000ppm			
Result	Sulfur content no higher than 300ppm			

#### Operating Conditions

Process Parameters	Hydrogen Partial Pressure (MPa)	Inlet Reaction Temperature (°C)	Space Velocity (hr <sup>-1</sup> )	Hydrogen to Oil Ratio (V/V)
Xinjiang, Shengli and Pipeline Catalytic Diesel Oil	3.0-6.0	260-300	1.0-2.0	400-600
Pipeline Catalytic Diesel	3.0-6.0	270-310	1.0-2.0	400-600
Daqing Coke Kerosene	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.

Established in 1970, Chempack is a specialized hydrotreating catalyst manufacturer located in China. Since our beginning, we constantly endeavor to introduce internationally advanced technologies to improve product performance and our productivity. As a result of our efforts, our chemical products are high quality competitively priced, and have markets in many countries, such as Britain, Germany, Kuwait, New Zealand, Thailand, Indonesia, Philippines, and South Korea, to name a few. We also provide sulfur removal, arsenic removal, alumina support ball, and more, to accommodate any chemical product need you may have. If you have any inquiries about these products, please contact us. We at Chempack are ready and waiting to help you.

## FEED BACK FORM

E-mail:

Message:

Product Name:

Your Name:

Company:

FAX / TEL:

---

MSN/SKYPE

Address: