
[Hydrotreating Catalyst](#)

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The WNF-10 hydrotreating catalyst, which is tungsten (W) and nickel (Ni) based catalyst, is used for hydrotreating of straight run gasoline and petrol from secondary processing. The hydrotreating catalyst can also be used to make high quality diesel oil with low sulfur and aromatic hydrocarbon content out of the poor diesel oil subject to secondary processing. The catalyst is usually a trilobe extrudate with diameter between 1.3mm and 1.5mm.

Physical Properties

| Item | Standard | Item | Standard |
|--------------------------|--------------------|----------------------------------|---|
| Appearance | Trilobe extrudates | Surface Area (m ² /g) | Min. 100 |
| Particle size (mm) | Φ1.3-1.5X5-15 | Pore Volume (ml/g) | Min. 0.30 |
| Crushing Strength (N/cm) | Min. 190 | Chemical Composition | NiO-WO ₃ -Al ₂ O ₃ |
| Bulk Density (kg/L) | Min. 0.90 | | |

Operating Conditions

| Process Parameters | Hydrogen Partial Pressure (MPa) | Temperature, (°C) | Space Velocity, (hr ⁻¹) | Hydrogen Oil Volume Ratio (V/V) |
|--|---------------------------------|-------------------|-------------------------------------|---------------------------------|
| Raw Material: Secondary Processed Gasoline | 2.6 | 260 | 2.5 | 300 |
| Raw Material: Secondary Processed Diesel | 3.0-6.0 | 280-340 | 1.0-2.0 | 400-600 |

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

Founded in 1970, Chempack is an ISO9001:2000 approved hydrotreating catalyst manufacturer located in China. Over the past 40 years of dedication to product improvement, we are able to provide top quality arsenic removal, oxygen removal, tower packing, and related products at economical prices for worldwide customers. Located in Jiangxi province and close to major cities like Guangzhou and Fujian, we have easy access to sufficient materials and convenient transportation. This largely reduces our production cost as well as saves shipping charges for our clients. If you have any inquiries about our chemical products, please contact us via phone or email. The staff at Chempack is sincerely looking forward to working with you.

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