
Hydrotreating Catalyst

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The MC-10 hydrotreating catalyst is a CoMo catalyst used for prehydrogenation of high sulfur materials and reforming materials. The hydrotreating catalyst can also be applied to kerosene hydrogenation to produce aviation kerosene, with the form of a Φ 1.5-2.5mm trilobe extrudate.

Physical Properties

Item	Standard	Item	Standard
Appearance	Trilobe extrudates	Surface Area (m ² /g)	Min. 200
Particle Size (mm)	Φ 1.5-2.5*2-10	Pore Volume (mL/g)	0.40
Crushing Strength (N/cm)	Min.150	MoO ₃ (wt %)	14.5-16.5
Bulk Density (kg/L)	0.68-0.75	CoO (wt %)	3.5-4.5

Operating Conditions

Process Parameters	Hydrogen Partial Pressure (MPa)	Temperature (°C)	Space Velocity (hr ⁻¹)	Hydrogen to Oil Ratio (V/V)
	1.6	270	8.0	80
Raw Oil	Iranian atmosphere distillation gasoline			
Product Oil	Sulfur max. 0.5ppm, Nitrogen max. 0.5ppm			

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

As a specialized hydrotreating catalyst manufacturer and supplier located in China, Chempack has been involved in the production and sale of chemical products since 1970. We provide a complete range of products, including carbon monoxide removal, adsorbent, molecular sieve, and dozens of other products, to accommodate any need you may have. Due to our management in conformity with international standards, our company is ISO9001:2000 certified. In order to better serve our customers, we offer excellent after sales service by timely solving technical problems for customers. Additionally, OEM service is available, upon request. We at Chempack welcome global buyers to contact us and try our products. Our staff is confident that you will be pleased with your purchase.

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