

Black chemical catalyst hydrotreating catalyst good compression resistance

HYDROTREATING CATALYST JL-H-04

Characteristics: The catalyst which has the advantage of high HDS, good compression resistance and abrasive resistance, low loading density, high space velocity and renewable use, takes modified alumina as carrier, with molybdenum and cobalt as the active components.

Application: It is mainly used for prehydrogenation of high sulphur reforming material and kerosene hydrogenation to produce aviation kerosene.

Physical-chemical properties

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Physical-chemical properties

item	target	item	target
appearance	Trilobe extrudates	Surface area, m ² /g	min200
Particle size, mm	Φ1.5-2.5*2-10	Pore volume, mL/g	0.40
Crushing strength, N/cm	min150	MoO ₃ , wt%	14.5-16.5
Bulk density, kg/L	0.68-0.75	CoO, wt%	3.5-4.5

Activity index:

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: iron drums inner lining double-layer plastic bags.

