



J-CHEM 513

HIGH TEMPERATURE CO SHIFT CATALYST

A high activity catalyst for the conversion of carbon monoxide in the purification of synthesis and process gas streams

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

A. CATALYST DESCRIPTION

Designation	<i>J-CHEM 513</i>
Form	Brown Tablet
Size	Ø6×6mm Ø9×6mm

B. TYPICAL CHEMICAL COMPOSITION (%wt)

Iron oxide	85-87
Chromium oxide	8-10
Copper Oxide	1-2
Sulphur	Max. 150 ppm

C. PHYSICAL PROPERTIES

Bulk density	1.4-1.6 Kg/L
Surface area	>85 m ² /g
Crush strength	>20 Kg
Pore volume	~0.25ml/g

D. OPERATING CONDITIONS:

Pressure:	atmosphere~10Mpa
Space velocity:	300~1000 h ⁻¹ (Atmospheric Pressure) 600~4000 h ⁻¹ (Plus Pressure)
Temperature:	290~500°C