



J-CHEM 918

METHANOL SYNTHESIS CATALYST

Suitable for making methanol from syn-gas produced by different raw materials in various types of methanol converters. Noted for high activity at low temperatures and excellent thermal stability.

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

A. CATALYST DESCRIPTION

Designation	<i>J-CHEM 918</i>
Form	Brown Tablet
Size	Ø5×4.5-5.5mm

B. TYPICAL CHEMICAL COMPOSITION (%wt)

Copper oxide	>55
Zinc oxide	>22
Aluminium Oxide	>8

C. PHYSICAL PROPERTIES

Bulk density	1.2-1.4 Kg/L
Crush strength	>200 n/cm

D. OPERATING CONDITIONS:

Reaction pressure	4.0~15.0Mpa
Reduction pressure	0.5~1.0Mpa
Inlet temperature	190~240℃
Outlet temperature	200~300℃
	(Optimum reaction temperature 220~260℃)
Space velocity	5000~20000h-1
	(Optimum space velocity 8000~12000h-1)
Total sulfur	<0.1mg/Nm ³