

J-CHEM 3A**Molecular Sieve**

3A molecular sieve is the most essential and necessary desiccant in the fields of the deep drying ,refinery polymerization for cracked gasses ,ethylene ,propylene and any other non-acidic gasses of liquids in petroleum and chemical industrials. J-Chem endue its products with the characters of higher adsorption speed , stronger crushing and anti-contaminative resistance, more cyclic times and longer work-span .

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES**A. CATALYST DESCRIPTION**

Designation

J-CHEM 3A

Formual

0.4K₂O 0.6Na₂O Al₂O₃ 2.0SiO₂ 4.5H₂O**B. TYPICAL PROPERTIES**

Item	unit	Shape			
Shape		pellet		sphere	
Diameter	mm	1.5-1.7	3.0-3.3	1.7-2.5	3.0-5.0
Size ratio up to grade	%	≥98	≥98	≥96	≥96
Bulk density	G/ml	≥0.60	≥0.60	≥0.60	≥0.60
Wear ratio	%	≤0.20	≤0.25	≤0.20	≤0.20
Crushing strength	N	≥45cm	≥60/cm	≥45/p	≥60/p
Statch2o adsorption	%	≥20	≥20	≥20	≥20
Packing water	%	≤1.5	≤1.5	≤1.5	≤1.5

J-CHEM 3A-EPG

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TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

C. CATALYST DESCRIPTION

Designation	<i>J-CHEM</i> 3A-EPG
Form	Extrudate
Size	1/16",1/8"

B. PHYSICAL PROPERTIES as for 1/8" extrudate

Diameter	3.2 mm
Bulk density	≥ 0.71 Kg/L
Abrasion rate	≤ 0.2 %
Crush strength	≥ 50 N
CO2 capacity	≤ 1.5 %
H2O capacity	≥ 20.5 %
575 °C Loss of ignition	≤ 1.5%