J-CHEM 13X

Molecular Sieve

The pore size for 13X molecular sieve is about 10A . It can adsorb any molecular smaller than 10A,mainly used as catalyze carrier ,coadsorption of CO2 and H2O and H2O , H2O and H2S ,as desiccant for medical and air compressor systems ,and can also be adjusted to fit other various applications.

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

A. CATALYST DESCRIPTION

Designation ***J-CHEM*** 13X

Formual **$0.4K_2O\ 0.6Na_2O\ Al_2O_3\ 2.OSiO_2\ 4.5H_2O$**

B. TYPICAL PROPERTIES

Item	unit	Shape			
Shape		pellet		sphere	
Diameter	mm	1.5-1.7	3.0-3.3	1.0-1.6	3.0-5.0
Size	%	≥98	≥98	≥96	≥96
Bulk density	G/ml	≥0.54	≥0.54	≥0.60	≥0.60
Wear ratio	%	≤0.20	≤0.25	≤0.20	≤0.20
Crushing strength	N	≥30/cm	≥45/cm	≥10/p	≥60/p
Static H_2O adsorption	%	≥25	≥25	≥25	≥25
CO_2 air disposal	NL/g	≥14	≥14	≥14	≥14
Packing water	%	≤1.5	≤1.5	≤1.5	≤1.5

J-CHEM 13X-APG

Molecular Sieve

The pore size for 13X molecular sieve is about 10A . It can adsorb any molecular smaller than 10A,mainly used as catalyst carrier ,coadsorption of CO2 and H2O and H2O , H2O and H2S ,as desiccant for medical and air compressor systems ,and can also be adjusted to fit other various applications.

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

C. CATALYST DESCRIPTION

Designation	***J-CHEM*** 13X-APG
Form	spheres or pellets
Size	4×8,6×8,8×12mesh or 1/16”,1/8”

B. PHYSICAL PROPERTIES as for 8×12mesh Sphere

Diameter	1.7-2.4 mm
Bulk density	≥ 0.65 Kg/L
Abrasion rate	≤ 0.2 %
Crush strength	≥ 30 N
CO2 capacity	≥ 17.5 %
H2O capacity (RH 70%, 25℃)	≥ 26 %
575 ℃ Loss of ignition	≤ 2 %

J-CHEM 13X-PG

Molecular Sieve

The pore size for 13X molecular sieve is about 10A . It can adsorb any molecular smaller than 10A,mainly used as catalyst carrier , or adsorption of CO2 and H2O and H2O , H2O and H2S ,as desiccant for medical and air compressor systems ,and can also be adjusted to fit other various applications.

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

D. CATALYST DESCRIPTION

Designation	***J-CHEM*** 13X-PG
Form	spheres or pellets
Size	4×8,6×8,8×12mesh or 1/16”,1/8”

B. PHYSICAL PROPERTIES as for 1/16” pellet

Diameter	1.5 mm
Bulk density	≥ 0.63 Kg/L
Abrasion rate	≤ 0.2 %
Crush strength	≥ 30 N
CO2 capacity	≥ 17.5 %
H2O capacity	≥ 25 %
575 ℃ Loss of ignition	≤ 2 %