

3A Molecular Sieve

3A Molecular Sieve that we produce has faster adsorption speed, further regeneration times, higher strength. It is preferred desiccant of dry and liquid gas, refining, polymerization required.

1、Product Description

3A Molecular Sieve is an alkali metal aluminosilicate; it is the potassium form of the type A crystal structure. 3A Molecular Sieve has an effective pore opening of about 3 angstroms (0.3nm). This is large enough to allow in moisture, but excludes molecules such as unsaturated hydrocarbons which can potentially form polymers; and this maximises lifetime when dehydrating such molecules.

2、Typical Chemical Formula

$0.4K_2O$ $0.6Na_2O$ Al_2O_3 $2.0SiO_2$ $4.5H_2O$

3、Technical Parameter

Item	Unit	Technical data			
Shape		Bar		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	≥45/cm	≥60/cm	≥45/p	≥45/p
Static water adsorption	%	≥20	≥20	≥20	≥20
Water content, as shipped	%	≤1.5	≤1.5	≤1.5	≤1.5