



## Uni-Pak Clay Desiccant



### Clay desiccant

Clay desiccant is known as a green product due to its absolute safety and 100% environmental friendliness. It is non-toxic and non-rusty, containing no any resolvable material and calcium chloride.

### Uni-Pak clay desiccant

Uni-Pak clay desiccant is designed and produced based on "Unit" according to the standards of DIN55473 and MIL-D-3464E. TOP-SORB has strict quality control for its adsorption capacity, strength, dust etc. The bentonite Clay we use as absorbent has more than 95% montmorillonite in purity, much higher other montmorillonite products at home and abroad. Its adsorption reaches 18%~20% at 40%RH. The package of laminated non-woven we use has excellent strength and tight structure to avoid damage and dust pollution. (Remarks: 1 Unit desiccant can absorb at least 6.0g moisture at 23±2°C, Rh40%.)

### Application

Uni-Pak clay desiccant is widely used in precision machinery, instrument, medicine, electric and metal products and military-industry products etc.



### Specification sheet

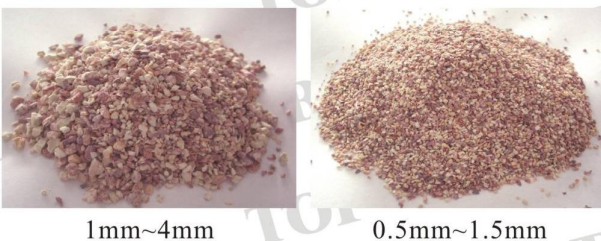
Specification	Pack Size (mm)	Weight (g)	Pack Qty (pcs/ctn)	Remarks
1/6Unit	45*60	6	1800	3-Side Sealed
1/3 Unit	55*75	11	1000	3-Side Sealed
1/2 Unit	55*80	17	600	3-Side Sealed
1 Unit	65*90	33	400	Back Sealed
2 Units	75*120	66	200	Back Sealed
4 Units	90*145	132	120	Back Sealed
8 Units	110*170	264	60	Back Sealed
16 Units	150*220	528	30	Back Sealed

### Quality standard

PRC Military GJB2714-96/USA Military 3464E/DIN55473

### Absorbent

Montmorillonite clay is also called bentonite. Montmorillonite is scalelike and with the color of white, grey, buff, pink, purple etc. It is a natural non-metallic sedimentary or volcanic mineral. Some are with porous structure, some are hard and brickle, some are soft and satiny. The simplest chemical molecular formula of montmorillonite is  $Al_2O_3 \cdot 4SiO_2 \cdot 3H_2O$ , theoretically, it consists of  $SiO_2(66.7\%), Al_2O_3(25.3\%), H_2O(5\%)$ . However, its factual component is much more complicated. Montmorillonite produced at different places is quite different in its components.



### Chart 1

Items	Unit	Index
Color	/	Purple, purple/white
Granularity	mm	0.5 - 4
Consistency	g/L	980
Water loss (170°C)	%	<0.7
PH	/	7.0±0.5
Adsorption Capacity	25°C RH=20%	= 12.0
	25°C RH=40%	= 19.2
	25°C RH=80%	= 25.3
Additive	/	Nil
Calcium Chloride	/	Nil

### Chart 2

