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One Call, Total Delivery

CARGO-DRY®

防潮—Desiccant



Desiccant is an effective means of moisture proof, usually used in a sealed environment to reduce the humidity of the packaging, and prevent the product from moisture damage. It is non-toxic non-corrosive, environmental friendly, without any negative effect. It is common in our lives, but the desiccant you see in food package is different from the ones in shoebox. It has varies of specifications, In fact, with different absorbent and packaging materials, their applications have a great difference.

Product categories

Active Mineral Desiccant: Low cost, fast performance, high adsorption capacity, non-toxic, tasteless, non-corrosive, and pollution-free.

Silica Gel Desiccant: nice appearance, one-way adsorption, good stability of thermal and chemical properties, high strength.

Clay desiccant: 100% nature, low cost, good performance in low humidity environment (at <30%RH, such as the vacuum package of PCB circuit board).



Packaging weight

1g、3 g、5 g、10 g、30 g、50 g、100 g、150 g、200 g、250 g、300g

Absorbent



Clay Desiccant



Active Mineral



Silica Gel



Absorbent	Color	Appearance	Adsorption capacity	Performance	Dust	Application	Cost
Active Mineral	Gray	Round regular particles	≤50%	High adsorption	Dust-free	In various packaging of export products	Low
Clay Desiccant	Purple/ white	Irregular particles	≤18%	Good adsorption at low humidity	A little dust	No Cl-, electronic & metal products	Low
Silica Gel	White /transparent	Round regular particles	≤22%	Good adsorption in mid-humidity	Dust-free	In various product packaging	High

Packaging Materials



Non-woven



Tyvek



Complex paper

Package Material	Features	Intensity	Air Permeability	Anti-dust	Heat Sealing	Cost
Tyvek	Smooth surface, with a touch sense of transparent filamentous fibers	Excellent	Good	Excellent	Good	High
Non-Woven	surface roughness, clear sense of fiber	Good	Good	Common	Common	Medium
Complex Paper	Smooth surface, paper-like	Not good	Good	Common	Not good	Low

How desiccant works

Desiccant is a kind of agent to absorb moisture from the air. It works by absorbing water molecules into their own structure in a physical way, or after absorbing water molecules, it changes its own chemical structure and becomes another kind of material.

Application

Widely used in electronics, machinery, fabricated metal products, glass, chemical biology, medicine, optical instruments, pet products, food packaging and military products etc. It is always equipped in the shipping containers to prevent the cargo from moisture damage during ocean

voyage.



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