

Desiccant is an effective means of moisture proof, can absorb moisture from the air, usually used in a sealed environment to reduce the humidity of the packaging, and prevent the product from moisture damage.

How desiccant works

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.

TOPSORB desiccant sachets are non-toxic, non-corrosive, environmental friendly, without any negative effects, DMF free. It has varies of specifications.

Packaging weight

Mini Dry: 10g, 20g, 30g, mainly used for sealed package of products, such as PE bag, aluminum foil bag, anti-static bag, boxes, etc.

Close Dry: 50g, 100g, 200g, 250g, mainly used mainly in sealed package of cartons, wooden cases, containers, etc.



Mini-Dry



Close Dry

Mini Dry, Close Dry Absorbent

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

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

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

Application

TOPSORB MiniDry, CloseDry are 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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