

E-SORB

NEXT GENERATION NON-TOXIC MINERAL DESICCANT POUCHES FOR PACKAGING



ADVANTAGES

- Protects cargo from mold, mildew, oxidation and other moisture-related packaging damage
- Absorbs well at all humidity levels
- TYVEC pouch material effectively prevents leakage
- Absorbent material (MD and MT) effectively locks in trapped moisture to reduce re-evaporation and prevent oversaturation
- Safe, non-toxic materials
- 100% biodegradable
- Cost-Effective

A CHOICE OF ACTIVE SUBSTANCES FOR THE RIGHT MOISTURE PROTECTION FOR EVERY APPLICATION

MD - 90% Montmorillonite Clay and 10% Calcium Chloride.
MT- 100% Montmorillonite Clay adhering to Mil-D-3464E.

APPLICATIONS

Inside packaging for electronics*, machinery*, textiles, leather goods, wood, furniture and various food products

A COMPLETE RANGE OF SIZES FOR EVERY PACKAGING CONFIGURATION

E-SORB pouches come in sizes suitable for use in individual boxes, crates and air cargo igloos.

SUPERIOR TYVEC POUCH MATERIAL

E-SORB pouches are made from DuPont Tyvek, which combines the best physical properties of paper, film and fabric, to offer unique advantages for a demanding application.

PACKAGED FOR SAFE STORAGE AND HANDLING

E-SORB desiccant is highly hygroscopic and will activate instantly with free moisture. For this reason **E-SORB** desiccants are packed and shipped in a poly bag inside a cardboard box.

PRODUCT REFERENCE CHART

	MD	MT
Absorbent	90% Montmorillonite Clay, 10% Calcium Chloride	100% Montmorillonite Clay adhering to MIL-D-3464E
Absorption Capacity	90% - 100% of its dry weight at 85° F (30° C) and 90% - 100% RH (Relative Humidity)	50% - 60% of its dry weight at 85° F (30° C) and 90% - 100% RH (Relative Humidity)
Packaging	TYVEC (TY)	TYVEC (TY), Non Woven (NW)
Sizes	From 1g to 1,000g pouches	1/16, 1/3, 1/2 and 1 up to 80 unit size pouches. (1 unit MT is approx. 35g in weight)
Usage	For a computerized analysis of the size and quantity of MD or MT pouches required for a specific shipment, contact our Customer Service Department. This analysis takes into account package type and size, voyage data, target humidity level and other critical information. *Note: Because of the Calcium Chloride used in MD bags, care should be taken when using MD absorbent with metal or electronic items. If MD is used, make sure there is a barrier between MD bags and these items.	

E-SORB TECHNICAL INFORMATION

ABSORBENT MATERIAL USED IN E-SORB DESICCANTS

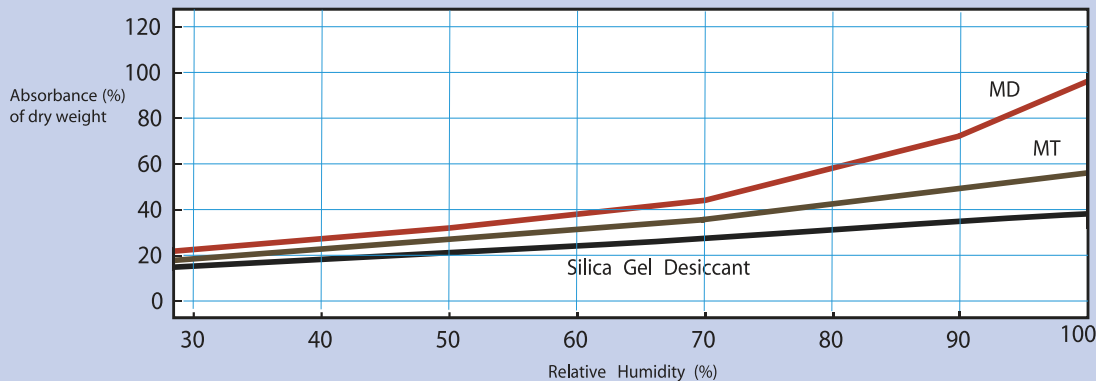
MT: Montmorillonite Clay provides better absorption capacity than silica gel also at lower RH (Relative Humidity) levels. Made from natural Montmorillonite clay by a process of breaking, riddling and drying. Nontoxic and non-corrosive. Environmentally friendly and low cost.

MD: Active Mineral contains Montmorillonite Clay and Calcium Chloride. Absorbs up to 100% of its own weight at 90% to 100% RH (Relative Humidity) at 85° F (30° C).

PACKAGING MATERIAL

DuPont TYVEC: Made of 100% high-density polyethylene fibers. Contains no fillers or binders. Does not deteriorate in contact with acid and alkali. Anti-static treated. Waterproof and rustproof. Nontoxic and non-corrosive.

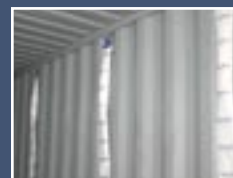
The Absorption Capacity Of MD and MT Desiccants Compared To Silica Gel



NOTE: The higher absorption capacity of MD and MT material results in the need **for fewer pouches of MD and MT** compared to the number of silica gel pouches required to provide the same absorption capability for the same packaging configuration.

THE LIMITATIONS OF DESICCANT POUCHES FOR CONTROLLING MOISTURE INSIDE SHIPPING CONTAINERS.

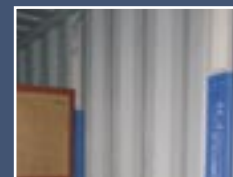
While pouch type desiccants have long been used in an attempt to control moisture inside shipping containers, there is now a more reliable and effective alternative to control moisture inside containers. Buffers Absorpole, Absortop and Absorbag products use 100% Calcium Chloride for maximum absorption efficiency. For added moisture control, they are designed with built in collectors that prevent re-evaporation as well as over-saturation. This combination of Calcium Chloride and built-in collectors provides wider safety margins to protect containerized cargo during both short and long voyages under a broader range of conditions. (Request Data Sheets For More Information)



ABSORBAG



ABSORTOP



ABSORPOLE

BUFFERS USA INC 

"The Intermodal Hardware Specialists"

10180 New Berlin Road • Jacksonville, Florida 32226

Tel: 904-696-0010 • Fax: 904-696-0019 • Email: sales@buffersusa.com • Web: www.buffersusa.com