



Desiccant Bags

TYDES

Description

Desiccant bags are filled with high active agents; they offer the ideal solution for the protection of moisture - sensitive goods. The desiccant's absorption capacity can be as high as 30% of its weight. It is non-toxic for metal or any material. It is a hydrating agent which attracts moisture from the atmosphere. It absorbs and holds particles of water to itself. For maximum effectiveness, desiccants should be used within a closed/sealed moisture barrier bag. Activated clay environmentally friendly as it is chemically inert and non-toxic which makes it safe to handle and therefore can be easily disposed of. The clay desiccants are clean, room compatible and have sulphur-free Tyvek bags for use in the electronic industry. 1 unit = 35grams of clay.



Features

- Desiccant bags are manufactured for moisture damage prevention.
- Activated clay is environmentally friendly, chemically inert and non-toxic.
- Desiccant bags are to be used in ESD packaging of moisture sensitive devices – according to MIL-D-3464E and JEDEC J-STD-033 standards.
- The clay desiccants are packed in cleanroom compatible, sulphur-free Tyvek bags for use in the electronic industry.
- Low dust tear proof bags or dust free paper bags are available.
- Size: – 0.5 – 1.5mm, 1- 4mm (> 95%) .
- Conforms to DIN55473 and KMIL-D3464E standards.
- 1 unit = approx 35 grams of clay.
- RoHS and REACH compliant.

Options
TYDES05 - Half unit (Pack of 1000)
TYDES1 - One unit (Pack of 500)
TYDES2 - Two unit (Pack of 250)

Desiccant Clay

The desiccant clay is an effective and inexpensive static desiccant, which is enclosed in Tyvek, it will absorb moisture from sealed spaces to prevent corrosion and mould growth. It is widely used in military industries, precision instrument machinery electric and metal products, pharmaceutical, clothing and foodstuff leather.





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Specification

CLAY – This is a bentonite clay which conforms to BS7529:1991. It is a free flowing material with particle size 1-4mm.

SACHET- The sachet material is heat sealed 55 gsm Tyvek with an 11 gsm coating. The sachet is approximately 135 x 80mm in size. Tyvek is an extremely tough, durable sheet of spun bonded polyethylene fibres.

The sachet is filled with the desiccant clay such that it has an absorptive capacity of 2 units as defined by the German DIN 55473 and US Mil-D- 3464 specifications.

PRINTING – Standard sachets are printed DESSICCANT CLAY, 2 UNITS DO NOT EAT PACKAGING- 250 sachets per heavy gauge polythene bag with a releasable tie inside a carton. Up to 50 cartons per pallet.

APPEARANCE - Purple and white, natural granular.

STANDARD – PRC military GJB2714-96 and as above. ** Tyvek is a registered DuPont trade name.

** Desiccant unit is the weight of desiccant which will absorb at 25 C 3 gram of water vapour at 20% Relative Humidity (R.H) and 6 grams at 40% R.H

Item Properties	Specifications
Bulk density g/L ≥	810
Moisture % ≤	1.0
PH value	7.0 + 0.5
25°C RH = 20% % ≥	13.00
25°C RH = 40% % ≥	18.00
25°C RH = 80% % ≥	25.00
Natural bentonite, no any additives	

Chemical analysis as determined			
	%		%
SiO ₂	53.06	MgO	2.43
Al ⁽²⁾ O ⁽³⁾	17.62	K ⁽²⁾ O	0.44
Fe ⁽²⁾ O ⁽³⁾	5.19	Na ⁽²⁾ O	2.12
TiO ⁽²⁾	0.17	SO ⁽³⁾	0.65
CaO	1.25	P ⁽²⁾ O ⁽⁵⁾	0.04
MnO	0.03	Cr ⁽²⁾ O ⁽³⁾	0.02



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