

Advantek's Desiccants are drying agents used to protect moisture-sensitive devices by absorbing airborne moisture particles, which may be present inside a moisture barrier bag after vacuum packaging, as time goes by. Advantek's Desiccant remains dry to the touch even when it is fully saturated with moisture vapor.

- > Desiccant material can be either Clay or Silica Gel
- > Meets JEDEC J-STD-033
- > Meets EIA std. 583 and MIL-D-3464, Type I and II
- > Tyvek® substrates prevent puncture and hard to tear
- > Anti-static bag to avoid electro-static shock
- > Use with Advantek Humidity Indicator Cards and DRYLOK® Moisture Barrier Bags for superior protection



Material Properties

Property	Clay desiccant	Silica Desiccant	Test Method/Condition
Material Composition	Montmorillonite Clay	Silica Gel	N/A
Particle Size	1.0-4.0mm	2.0-4.0mm	N/A
Unit Absorption	3.67 grams	4.8 grams	MIL-D-3464, 20%RH, 25°C
Unit Absorption after Reactivation	3.4 grams	4.4 grams	MIL-D-3464, 20%RH, 25°C
Moisture Content	<2.0%	<2.0%	N/A
Surface Resistivity of Bag	≥1.0E5, <1.0E12 Ohms/sq.	≥1.0E5, <1.0E12 Ohms/sq.	ASTM D 257
Substrate	Tyvek® Paper	Tyvek® Paper	N/A

Note: These values presented for this product are typical laboratory data and may be changed without notice. You should determine products suitability based upon your own internal test and criteria.

Construction

Advantek's Desiccants are made of Montmorillonite (bentonite) Clay or Silica Gel desiccant material, packaged in printed non-dusting sulphur-free Tyvek® substrates.

Configurations

Advantek's Desiccants are available in several formats designed for small and large applications. Bag sizes vary from 1/6 unit packs to 8 unit packs. A UNIT of desiccant refers to its drying capability, not in volume, and is the amount of desiccant which will absorb at least 3 grams (2.85grams for bagged desiccant) of water vapor at 20% relative humidity and at least 6 grams (5.7grams for bagged desiccant) of water vapor at 40% RH at 25°C(77°F) per JEDEC standard. The product is shipped in airtight packaging to prevent exposure to moisture.

Shelf Life and Storage

We recommend that desiccant products be used within 24 months from the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 20°C ± 16°C (68°F ± 61°F) and relative humidity is 50% ± 30%. Exceeding these recommended storage conditions could result in inconsistent product performance.

Package Quantity Information

Bag size	Plastic Pail	Paper Box	Metal Can
1/6 Units	1400	2000	1000
1/3 Units	800	1200	600
1/2 Units	550	800	400
1 Unit	300	400	200
2 Units	150	200	100
4 Units	100	100	60
8 Units	50	50	30

Ordering Information

Bag Size	P/N for Clay	P/N for Silica
1/6 Units	DML1/6Tx	DSG1/6Tx
1/3 Units	DML1/3Tx	DSG1/3Tx
1/2 Units	DML1/2Tx	DSG1/2Tx
1 Unit	DML1Tx	DSG1Tx
2 Units	DML2Tx	DSG2Tx
4 Units	DML4Tx	DSG4Tx
8 Units	DML8Tx	DSG8Tx

Note: suffix 'x' of P/N represents for packing container options, 'P' for paper box, 'S' for square plastic pail, 'C' for metal can.