

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 is Montmorillonite Clay
- > 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
- > Use with Advantek Humidity Indicator Cards and DRYLOK® Moisture Barrier Bags for superior protection



Material Properties

Property	Clay Desiccant	Test Method/Condition
Material Composition	Montmorillonite Clay	N/A
Particle Size	1.0-4.0mm	N/A
Unit Absorption	3.67 grams	MIL-D-3464, 20%RH, 25°C
Unit Absorption after Reactivation	3.4 grams	MIL-D-3464, 20%RH, 25°C
Moisture Content	<2.0%	N/A
Substrate	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. Absorption rate at 10% RH, 77°F (25°C) Clay = 2.8g REF.

Construction

Advantek's Desiccants are made of Montmorillonite (bentonite) Clay, 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 ± 29°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	Carton Box
1/6 Units	1500	2000
1/3 Units	800	1200
1/2 Units	500	800
1 Unit	300	400
2 Units	150	200
4 Units	80	100
8 Units	40	50

Ordering Information

Bag Size	Plastic Pail	Carton Box
1/6 Units	DML1/6TS	DML1/6TP
1/3 Units	DML1/3TS	DML1/3TP
1/2 Units	DML1/2TS	DML1/2TP
1 Unit	DML1TS	DML1TP
2 Units	DML2TS	DML2TP
4 Units	DML4TS	DML4TP
8 Units	DML8TS	DML8TP

Note: suffix in part number represents for packing container options, 'P' for carton box, 'S' for square plastic pail.