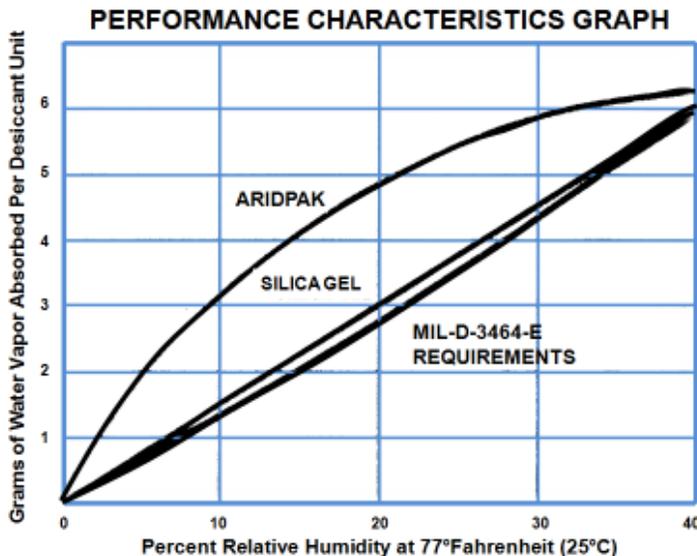


TECHNICAL DATA SHEET

ARIDPAK™ “ROUND CLAY” DESICCANT

ARIDPAK™ is the trade name for packaged desiccant products containing a very high grade of activated “Round Clay”. ARIDPAK™ is a low-cost, efficient desiccant, which will protect the contents of a properly sealed container until it is opened. The contents of a sealed container will be in the same condition as when packaged for shipment or storage. ARIDPAK™ unit bags exceed the requirements of MIL-D3464E in actual performance and will exceed the moisture vapor absorption of silica gel at government specification levels. At 20% relative humidity, ARIDPAK™ will absorb 50% more moisture than required by MIL-D3464E, whereas silica gel will only absorb 3.5% more moisture than required by MIL-D3464E. ARIDPAK™ is a chemically inert calcium aluminosilicate clay. ARIDPAK™ montmorillonite clay is a naturally occurring mineral as opposed to the chemically synthesized absorbent. Therefore, it is more economical than silica gel or molecular sieve. ARIDPAK™ clay can be disposed off safely since it is a natural mineral. At full moisture vapor capacity, ARIDPAK™ remains dry and free flowing. There is no change in size, shape or texture of the desiccant. Desiccants are packaged in various sizes of non dusting packets measured in “units” and made of desiccant grade nonwoven Tyvek® spunbond olefin fiber.

Typical Applications:



- Electronic Component Packaging
- Machine Parts
- Military Instruments and Armaments
- Pharmaceuticals
- Motors
- Circuit Boards
- Relays and Communication Devices
- Oceanographic Devices
- Documents and Paper Storage
- Instruments
- Film & Photographic Equipment
- Binoculars
- Foodstuffs
- Batteries
- Vitamins
- Optical Devices
- Dry Fuel Propellants
- Safes
- Medical Equipment
- Diagnostics
- Candy
- Museum Storage

Tyvek® is a registered trademark of du Pont de Nemours and Company

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MOISTURE ABSORPTION CAPACITY EXPERIMENT RESULTS:

TEST	25°C, 25% RH	25°C, 50% RH	25°C, 90% RH
Moisture Absorption Capacity (% w/w): AFTER 24 HRS	9.5	16.8	37.3
Moisture Absorption Capacity (% w/w): AFTER 48 HRS	12.6	21.3	44.7
Moisture Absorption Capacity (% w/w): AFTER 72 HRS	14.7	22.5	48.0
Moisture Absorption Capacity (% w/w): AFTER 96 HRS	15.5	22.9	49.8
Moisture Absorption Capacity (% w/w): AFTER 168 HRS	16.7	23.2	52.2

Comparing Round Clay Desiccant to Granular Clay Desiccant, Round desiccants are better because they don't have sharp edges to puncture Moisture Barrier Bags. Also, based from the absorption tests conducted, round clays will absorb 3 – 6% more in 25%RH, 4 – 8% more in 50%RH and 15 – 26% more in 90%RH than granular clay desiccants.

1/01/19

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