



SANNER

Protecting Health.

AdPack® Performance Sheet

High-level product protection against humidity

The AdPack® product family consists of drop-in low profile desiccant packs for the protection of moisture-sensitive drugs. AdPack® is highly permeable and ensures excellent moisture adsorption over the entire shelf-life of your product. It is a cost-effective slot-in solution that was developed to meet global market needs. AdPack® is available all over the world and is compatible with standard dispensing equipment and filling lines.

Application:

- Pharmaceuticals (solid oral dosage)
- Medical devices (e.g. dry powder inhalers)
- Diagnostics
- Nutraceuticals



AdPack® – high durability, excellent moisture adsorption

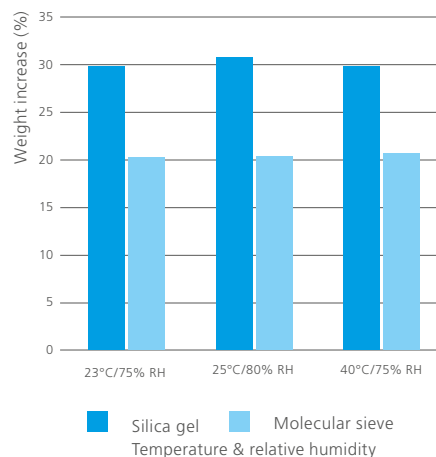
AdPack® is made of very durable and tear-resistant Tyvek® material, which makes it virtually puncture-proof. There is a very low risk of product contamination or leakage during filling and usage. Tyvek® is a 100% HDPE, non-dusting and lint-free material that provides an excellent combination of barrier protection, durability and breathability.

Tyvek® is composed of millions of microfibers. They are bonded together in form of a “maze” that allows water vapor to pass through the natural pores in the microfiber structure. Once water vapor penetrates the sachet, it will be adsorbed by the silica gel or molecular sieve filling.

AdPack® – fast adsorption, immediate protection

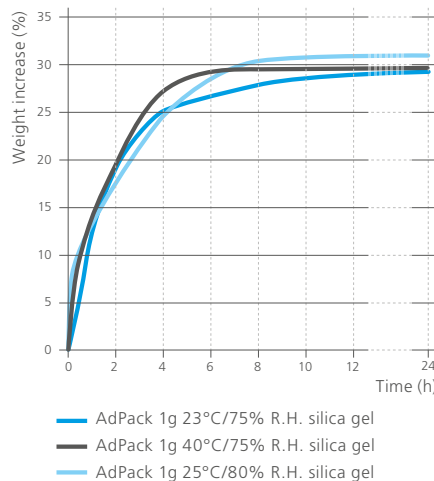
AdPack®: reliable adsorption capacity of NLT 16% applies to different climate conditions

Moisture adsorption capacity of AdPack® after 24h for different climate conditions



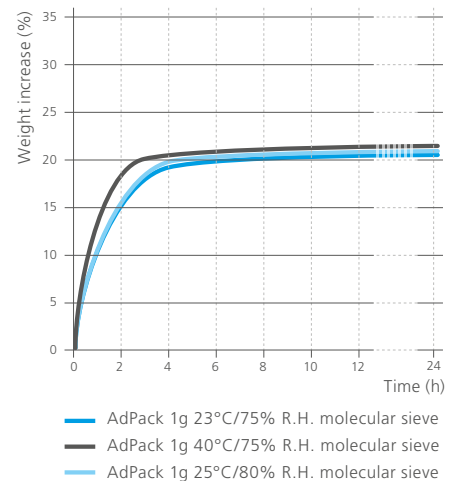
Silica gel: AdPack® adsorbs humidity quickly

Moisture adsorption capacity of AdPack® 1g silica gel as a function of time at different conditions



Molecular sieve: AdPack® adsorbs humidity quickly

Moisture adsorption capacity of AdPack® 1g molecular sieve as a function of time at different conditions



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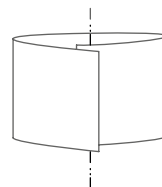
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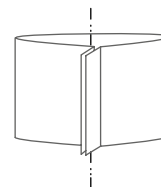
AdPack® – excellent handling, low migration risk

AdPack® is made with a lap seal which is flat without any layers sticking out. This ensures very good handling with existing filling lines. Many other desiccant packs are manufactured with fin seal - this overlapping seam risks to get stuck in the line during filling. Moreover, dust might get stuck underneath the seal.

Thanks to our controlled sealing process, there are no transparent parts in the lap seal of AdPack®.



Lap seal



Fin seal

AdPack® – clean pack separation

AdPack® is available as **single pack** or **on reel**. AdPack® on reel ensures a clean pack separation through a punch hole in the seal between the packs. Filling trials showed a more reliable pack separation compared with eye-mark cut signs, which results in a cleaner cutting during the filling process.



| Width: 16 mm | Width: 19 mm | Width: 22 mm | | |
|-----------------|-----------------|-----------------|------------|------------|
| 0.5 g | 1.0 g | 1.0 g | 2.0 g | 3.0 g |
| 16 x 42 mm | 19 x 45 mm | 22 x 44 mm | 22 x 55 mm | 22 x 67 mm |

AdPack® can be filled with **silica gel** or **molecular sieve**. All dimensions are approximate. For product specifications, please contact our sales team.

AdPack® – patient safety and regulatory compliance

AdPack® has a distinct shape that eliminates potential confusion with capsules or tablets, thus preventing accidental ingestion.

AdPack® complies with all relevant European and FDA regulations for contact with food and drugs and is supported by a Type III DMF (No. 031075).

Sanner AdPack® offers all advantages of a GMP-compliant production, professional risk management, 100% traceability, as well as outstanding quality.



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