



DRYING BEADS

A technology for seed and/or product drying. Drying has always been one of the most difficult processes and is considered to be a very big issue in the seed, postharvest, commodity and food world. The drying procedures can be very basic to very delicate process; any mishap during the process can result in low seed quality such as reduced quality aspects such as a lower germination, vigor and shelf life of seeds.

Drying Beads® are a desiccant that absorbs exclusively water and this in a very fast and strong way. They can absorb up to 30% of their weight and are perfectly reusable.

Drying Beads® Technology

Very hygroscopic, fast water absorption even in low relative humidity conditions, Strong water binding at 20-25% of its weight, Full reactivation at high temperature –230°C / 450F for 2 hours.

Features

- Specific pore size for water
- Low cost and high efficiency
- Fast drying seeds with no heat input
- Storage and Drying at any temperature
- Practical Drying Beads full reactivation
- Completely renewable, green and sustainable



Benefits

- Best desiccant available and it greatly expands all drying applications
- Higher performance and much longer lifetime than other desiccants
- Maximizes seed viability and shelf life
- Substantial savings when compared to cold storage
- No losses of capacity after reactivations
- Non-toxic, food grade

product data materials



services

equipment

machinery

drying

What is the difference between DryBeads and Silica Gel?

Drying beads:

- Patented Tech for use on Seeds.
- Modified ceramic materials (aluminium silicates) - Non toxic.
- Absorb water molecules and hold them very tightly in their micro pores.
- Creating very low humidity inside box.
- Highly efficient.

Why not to use silica gel to dry seeds?

- Less effective and may reduce vigour.
- Toxic effect on seeds.
- Lower affinity for water than drying beads at the low humidity.
- Loss of water holding capacity of silica gel due to polymerization after repeated heating.

Dry Box/ Drum Dry®

DrumDry® vessel can be used to dry and store seeds under almost optimal conditions, and they give a 'color' warning if the seed moisture content inside the drum increases.

Dry boxes® comes with hygrometer and is apt for Vegetable seeds.

Different sizes are available:

- DDR 8 L
- DDR 16 L
- DDR 50 L
- DDR 100 L
- DDR 200 L



100 kg