

# Multiforms®

## Pressed Sorbents

Multiforms® Pressed Sorbents are custom designed and precision formed in a wide variety of shapes and sizes, combining a moisture adsorber and mechanical component in one part

### Advantages

- Ideal for applications where space is limited
- Can act as a structural part as part of product design
- Multiforms as small as .050" O.D. or .050" I.D. can be custom machined for some applications
- Superior strength and durability

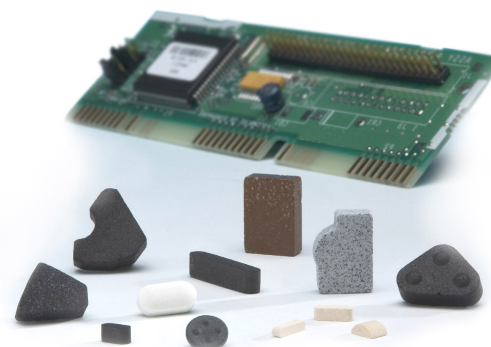
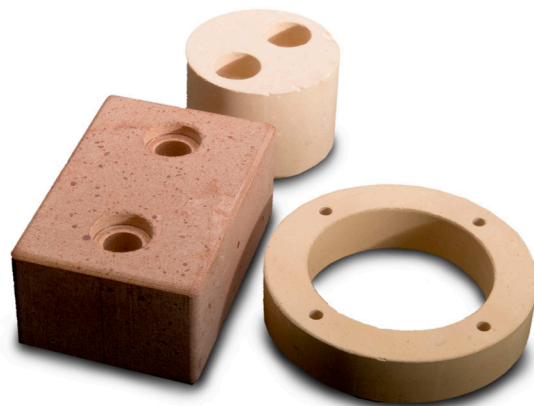
### Multiforms®

Multiforms are precision formed in a variety of shapes and sizes. They provide reliable protection from moisture and organic vapors in the tiniest space of any assembly or package and are the ideal solution when no other desiccant will fit.

Pressed sorbents can take the shape of rings, cups, triangles, ferrules, bushings, sleeves and more to act as a mechanical component for the product or packaging being protected.

### Design flexibility

Multiforms versatility allow the design engineer to make provisions for a desiccant where extremely limited space is an important design criterion. As a structural component, Multiforms eliminate the extra steps and labor costs necessary to add desiccants to product packaging. Multiforms pressed sorbents provide the needed adsorptive capacity in a lightweight design.



### Applications

- Pharmaceuticals
- Medical diagnostic kits
- Electronic equipment
- Optical instruments
- Aerospace components
- Refrigeration systems



### Close tolerance and high purity

Manufactured to tight tolerances, Multiforms can be mass produced in a variety of sizes and shapes. They are manufactured with high quality molecular sieve, carbon and silica gel.

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### NatraSorb® 900 Pressed Sorbents

NatraSorb® 900 is an exceptionally versatile composition which has high moisture adsorptive capabilities, yet has excellent strength and can be machine-like nylon or aluminum. As a structural part, NatraSorb® 900 can provide the needed moisture protection without adding to the bulk or weight of the product, component or assembly.

### NatraSorb® 900 DF™

- Very hard
- Non-dusting
- Excellent for optics and other applications

### Pre-molded shapes or machinable blanks

NatraSorb® 900 is available to manufacturers or custom fabricators in machinable blanks (2" diameter x 1" pucks) or, if production volume warrants, in custom molded, finished parts. With NatraSorb® 900, there is no possibility of contamination through sifting or linting of a desiccant bag.

### Controlled Adsorption Rate

NatraSorb® 900 is an activated crystalline silico-aluminate with organic binders which give the finished desiccant properties similar to those of thermoset plastics. It will adsorb from 14% to 18% of its own dry weight, but its high density slows the rate of adsorption. This is a decided advantage in assembly operations since it restricts the amount of moisture the desiccant part will pick up during handling.



Contact Multisorb for more information on Multiforms and NatraSorb® 900 Pressed Sorbents.

Multisorb's experienced engineers can help you design or select the optimum Multiforms pressed sorbents or NatraSorb® 900 sorbents to meet the specific requirements of your application.



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