

PillowPak



Desiccare's PillowPak line consist of a wide variety of sizes, configurations and substrates. PillowPak can be used to absorb moisture vapor, odor or gas. Custom blends are available and can be used as a multifunction (two in one) package.

Example: 50/50 blend of silica gel and carbon for moisture and odor.

Continuous Strip PillowPak

Desiccare offers a complete line of Continuous Strip PillowPak for use with desiccant pouch feeding system. They are wound on a spool and are available in sizes ranging from **0.25 to 5 grams**. This product is available in silica gel, clay, molecular sieve, activated carbon and custom blends. With the use of light sensor equipment, which is standard on desiccant dispensing machines, the desiccant pouches are cut or pulled apart on line. Automating desiccant incursion results in dispensing speeds up to 240 bags per minute increasing production times.



We produce products that meet the highest standards. YOURS!

Packaged:

1. 1 gallon can
2. 5 gallon PAIL
3. 10 gallon container

Sizes:

Available in grams of:
1/4, 1/2, 3/4, 1, 1 1/2, 2,
3, 5, 7, 10, 12, 14

Comparison Chart

Material	Absorption Rate	Absorption Capacity by Weight	Cost
Clay	Moderate	28%	Low
Silica Gel	Moderate	38%	Medium
Molecular Sieve	Fast	20%	High

How are desiccants best utilized?

To be most effective desiccants should be used within a closed/sealed moisture barrier or a rigid sealed container. This allows the desiccant to absorb the trapped moisture vapor inside of the package. Products should be packaged in a manner that does not allow additional water vapor in the enclosed environment. Often a humidity indicator card is placed inside the package to show humidity levels and indicate when the desiccant needs to be replaced.

Silica Gel

Part #	Grams	Dimensions	Quantity	Container	Weight (lbs)
01 AA 11 A15	25	1 x 0.62501	30,000	10 Gal Drum	28
01 AB 11 A15	.50	1.25 X 0.625	20,000	10 Gal Drum	34
01 AC 11 A15	.75	1.219 X 0.625	15,000	10 Gal Drum	30
01 AD 11 A15	1	1.5 X 0.875	10,000	10 Gal Drum	33
01 AD 11 A12	1	1.5 X 0.875	1,000	1 Gal Can	6
01 AF 11 A15	1.5	1.75 X 0.875	9,000	10 Gal Drum	41
01 AH 11 A15	2	1.844 X 0.906	6,000	10 Gal Drum	38
01 AH 11 A12	2	1.844 X 0.906	600	1 Gal Can	6
01 AL 11 A15	3	2.313 X 0.906	5,000	10 Gal Drum	42
01 AP 11 A15	5	2.875 X 0.968	3,000	10 Gal Drum	42
01 AP 11 A12	5	2.875 X 0.968	300	1 Gal Can	6
01 AT 11 A15	7	2.5 X 1.375	2,000	10 Gal Drum	38
01 AZ 11 A15	10	3.344 X 1.375	1,500	10 Gal Drum	43
01 AZ 11 A12	10	3.344 X 1.375	150	1 Gal Can	6
01 BA 11 A15	12	3.5 X 1.5	1,250	10 Gal Drum	42
01 BB 11 A15	14	3.75 X 1.5	1,200	10 Gal Drum	45

Activated Carbon

Part #	Grams	Dimensions	Quantity	Container	Weight (lbs)
01 AA 13 A15	.25	1.375 X 0.75	20,000	10 Gal Drum	17
01 AB 13 A15	.5	1.5 X 0.75	12,500		16
01 AC 13 A15	.75	1.625 X 0.75	10,000		19
01 AD 13 A15	1	1.875 X 0.875	8,000		25
01 AF 13 A15	1.5	2.125 X 0.875	7,000		25
01 AH 13 A15	2	2.344 X 1.031	6,000		24
01 AL 13 A15	5	3.0 X 1.5	2,000		26
50% Activated Carbon /50% Silica Gel					
01 AA 12 A15	.25	1.5 X 0.625	13,000	10 Gal Drum	34
01 AB 12 A15	.5	1.875 X 0.875	10,000		33
01 AC 12 A15	.75	2.125 X 1	6,000		38
01 AD 12 A15	1	2.469 X 1	4,000		35
01 AF 12 A15	1.5	2.906 X 1.5	4,000		36

Molecular Sieve Clay

Part #	Part #	Grams	Dimensions	Quantity	Container	Weight (lbs)
01 AA 12 A15	01 AA 10 A15	.25	1 X 0.625	30,000	10 Gal Drum	M.S.=24/ Clay=28
01 AB 12 A15	01 AB 10 A15	.5	1.25 X 0.625	20,000		34
01 AC 12 A15	01 AC 10 A15	.75	1.219 X 0.625	15,000		31
01 AD 12 A15	01 AD 10 A15	1	1.5 X 0.875	10,000		33
01 AF 12 A15	01 AF 10 A15	1.5	1.75 X 0.875	9,000		43
01 AH 12 A15	01 AH 10 A15	2	1.844 X 0.906	6,000		34
01 AL 12 A15	01 AL 10 A15	3	2.313 X 0.906	5,000		41
01 AP 12 A15	01 AP 10 A15	5	2.875 X 0.968	3,000		42
01 AT 12 A15	01 AT 10 A15	7	2.5 X 1.375	2,000		38
01 AZ 12 A15	01 AZ 10 A15	10	3.344 X 1.375	1,500		43
01 BA 12 A15	01 BA 10 A15	12	3.5 X 1.5	1,250		42
01 BB 12 A15	01 BB 10 A15	14	3.75 X 1.5	1,200		45

Determining Types and Quantities of Required Desiccant

1. Identify the type of container or bag the product is packaged in
2. Calculate the volume or area of the container
3. Determine the amount of desiccant required using the "Desiccant Requirement Chart"
4. Select the type of desiccant to fit the application based on one of the following:
 - Amount of moisture to be absorbed
 - Permeability of packaged material
 - Temperature and humidity
 - Rate of absorption required
 - Requires container shelf life
 - Shipping and storage conditions
 - Cost

Often customers will use more desiccant than is required as a safety measure. Desiccants provide low cost insurance.