

PRODUCT DATA SHEET

CLAYPACK

Description and Uses

CLAYPACK is a strongly recommended humidity protection material to be used for the humidity protection of materials in enclosed areas. The greatest advantage of Claypack is that the clay inside the package is a 100% natural mineral completely free of any chemical additives. Claypack is produced using high quality pure Ca-montmorillonite clay and strong nonwoven dust proof packing material.

Either the adsorbent capacity of the clay and the characteristics of the packing material are carefully selected to compile with the **DIN 55473** and **MIL-D 3464E** standards. Claypack can be successfully used for the protection of electronic parts, foundry parts, grey/black iron products, canned food, edible liquid bottles and etc.



Product Advantages

- It provides high efficiency protection from the harmful effects of moisture that will directly affect the product quality when shipping or storing your products.
- It creates stable ambient conditions by efficiently performing moisture and gas adsorption in the environment.
- It is an environmentally friendly product with its natural and additive content and can be used safely with all kinds of products.
- It provides high quality protection to the products in the environment with its strong granule structure that does not dust and muddle.

Usage Areas

- Electronic and optical devices
- On industrial machines
- Spare parts and automotive industry
- Food products
- Pharmacy products and medicine boxes
- In textile products
- Electrical panels
- In chemical raw materials
- Metal products and accessories

Physical and Chemical Specifications

Product Structure	Modified Bentonite
Appearance	White
Grain Shape	Granular
Grain Size (mm)	0.5-4

Humidity Content (%)	≤1
Bulk Density (g/L)	>750
pH	<8.5

Performance Property

Water vapor adsorption capacity at 25°C

40% Relative Humidity	min. 16%
80% Relative Humidity	min. 24%

Package Properties

The packing material is a specially produced nonwoven material showing dust proof properties and performing excellent strength against various forces such as drop tests, or tearing tests.

Application

Depending on the volume of the environment to be protected and the maximum relative humidity, you can determine the amount of moisture adsorbing clay you need from the table below. By placing the moisture-adsorbing Claypacks that we provide in appropriate sizes, you should isolate the environment against external influences and create a closed environment.

Package or Area Volume to be Protected			Amount of Desiccant (Claypack)	
Cubic Inch (inch ³)	Cubic Centimeter (cm ³)	Liter (L)	Gram (g)	Unit (DIN 55473)
237	3885	3,8	5,5	1/6
476	7800	7,8	11	1/3
714	11702	11,7	16,5	1/2
1428	23404	23,4	33	1
2856	46809	46,8	66	2
4284	70214	70,2	99	3
5712	93619	93,6	132	4
7140	117024	117	165	5
8568	140429	140,4	198	6
9996	163834	163,8	231	7
11424	187239	187,2	264	8
12852	210644	210,6	297	9
14280	234049	234,0	330	10
17136	280859	280,8	396	12
19992	327668	327,6	462	14
22850	374511	374,5	528	16
45700	749023	749,0	1056	32
114250	1872557	1872,5	2640	80
228500	3745115	3745,1	5280	160
285600	4680984	4680,9	6600	200
357000	5851230	5851,2	8250	250

Packing

The packing can be made in various sizes of bags ranging from 1/6 units to 32 units bags.

Transport and Handling

Claypack products should be kept always in airtight medium in order to avoid and prevent water vapor adsorption of the product.

General Notes:

The information in these publications reflects our own average findings and comments for our products however the use of the product may vary according to the field of application and the buyer is solely responsible for the application, use and reprocessing of the material.