A food material container keeping the temperature inside the container the same as that outside the container has a preset container shape made of material such as plastic by means of injecting molding process. Each wall of the container is formed with many layers of uncountable slender strings having uncountable irregular circles, separated from one another and entangling with one another to form solid. Thus the container has uncountable micro air cells communicating with one another so that air or liquid outside and inside the container flow mutually and smoothly without any dead spot and having a buffering function against food material stored in the container.
FOOD MATERIAL CONTAINER

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

This invention relates to a food material container, particularly to one provided with uncountable micro air cells in walls of the container, enabling exterior air to flow through them into the interior smoothly, keeping food material put therein to be well ventilated and not to get worse.

[0002] 2. Description of the Prior Art

A conventional food material container shown in FIG. 1 used for holding refrigerated food material is made of plastic and shaped in a preset case shape by injecting molding process, with many through holes 2 formed in each wall of the case 1, and the through holes 2 are for air to flow from the exterior into the interior of the case 1 for ventilating the contents of the conventional container.

[0003] FIG. 2 is a perspective view of a food material container in the present invention; and,

[0004] FIG. 3 is a cross-sectional view of a partial wall of the food material container in the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

[0011] 1. Field of the Invention

A preferred embodiment of a food material container in the present invention, as shown in FIGS. 2 and 3, is formed in a preset shape of a rectangular case consisting of four vertical walls, a bottom wall and an open upper side, or of a square or round case made of basic material 10 such as PE, PP, ABS or PC hygienically usable for keeping food material. Each wall is composed of plural layers of uncountable slender strings 11 having uncountable micro irregular circles to entangle with one another, so innumerable micro air cells 12 are formed in each wall for air or liquid to flow fast from the exterior into the interior of the container, with the many layers of the slender strings 11 making up a certain thickness of basic material 10 (or each wall).

[0012] As shown in FIGS. 2 and 3, each wall of the food material container has the uncountable micro air cells 12 formed by the irregular micro circles of the slender strings 11 of plastic, and the micro air cells 12 are communicating with one another. So the slender strings 11 may contact with food material placed in the food material container in very small dimensions to let it very ventilating. Therefore, if the food material container is stored in an environment under the room temperature or in a refrigerated room, the temperature in the interior of the food material container filled with food material may be maintained the same as the exterior of the container. Further the basic material 10 has the property in compliance with keeping food material, and then the food material container in the invention can be used for various kinds of food materials, and the micro air cells 12 cannot be clogged by food material, no matter how large or small the food material may be.

[0013] The invention has the following advantages as can be seen from the foresaid description.

[0014] 1. It has uncountable irregular micro air cells to make up good ventilation so food material placed therein can be prevented from damaged owing to bad ventilation or accidental shocks.

[0015] 2. Each wall of the food material container has innumerable slender strings made of plastic, and the slender strings only have a very small dimension to contact with food material, not causing bad ventilation of the container, and then food material therein may not be damaged easily.

[0016] 3. It is made of plastic such as PE, PP, ABS or PC so it is easily manufactured to have any integral shape wanted by injecting molding process.

[0017] While the preferred embodiment of the invention has been described above, it will be recognized and understood that various modifications may be made therein and the appended claims are intended to cover all such modifications that may fall within the spirit and scope of the invention.

What is claimed is:

1. A food material container keeping the temperature of food material stored therein as the same as that of the exterior of said container, said container comprising:
   walls of a preset container shape made of plastic by means of injecting molding process, each said wall composed of many layers of uncountable slender strings of said plastic, said slender strings having uncountable micro circles and positioned separated from one another and
entangling with one another irregularly to form solid so that uncountable micro air cells are formed communi-
cating with one another in each said wall, said micro air
cells enabling air outside and inside said container to
flow through mutually and evenly without any dead
spot and having a buffering function against food
material placed therein.

2. The food material container as claimed in claim 1,
wherein said plastic material is formed into said uncountable
slender strings having innumerable irregular micro circles,
said slender strings formed to pile up in plural layers to make
each said wall provided with a preset thickness.

3. The food material container as claimed in claim 1,
wherein said micro air cells are positioned everywhere in
said each wall, enabling air or liquid outside and inside said
container flow through mutually, smoothly and evenly with-
out any dead spot.

* * * * *