

DESCRIPTION

GLOVE FOR FOOD HANDLING

Technical Field

[0001] The present invention relates to a glove for food handling to be used when
5 handling food.

Background Art

[0002] Conventionally, as gloves for food handling to be used to directly handle
food with hands, gloves for food handling obtained by making plastic film into bags
having the shape of gloves and rubber-made gloves for food handling have been
10 widely used to handle food (for example, refer to Patent Document 1).

Prior Art Document

Patent Document

[0003] Patent Document 1: Japanese Published Unexamined Patent Application No.
2002-317320

15 Summary of the Invention

Problem to be Solved by the Invention

[0004] Prior known gloves for food handling, such as described above, have had a
problem that when the glove itself is broken when handling food, and when a broken
piece thereof mixes in the food, it is very difficult to find the broken piece. Therefore,
20 there has been a problem that food with foreign matter mixed in may be shipped.

[0005] Therefore, in view of the above-described problem, an object of the present
invention is to provide a glove for food handling by which, even if the glove for food
handling is broken and a broken piece thereof mixes in food, the broken piece can
be easily found.

25 Means for Solving the Problem

[0006] The above-described object of the present invention is achieved by the
following means. The characters in parentheses denote reference signs used in an
embodiment described later, and these are not intended to limit the present invention.

[0007] A glove for food handling according to a first aspect of the invention includes

a glove main body (10) for food handling kneaded with a luminescent material that emits light in response to ultraviolet rays (S).

[0008] In a glove for food handling according to a second aspect of the invention, in the above-described glove for food handling according to the first aspect of the invention, the luminescent material is kneaded throughout the entire area of the glove main body (10) for food handling.

Effects of the Invention

[0009] Next, effects of the present invention are described with use of reference signs shown in the drawings. The characters in parentheses denote reference signs used in an embodiment described later, and these are not intended to limit the present invention.

[0010] In the glove for food handling according to the first aspect of the invention, since the glove main body (10) for food handling is kneaded with a luminescent material that emits light in response to ultraviolet rays, even if a broken piece (K) of the glove (1) for food handling mixes in food (F) shown in Fig. 2, by irradiating the food (F) with ultraviolet rays (S) by using an ultraviolet light source (L) such as a black light, the broken piece (K) emits light in response to the ultraviolet rays (S), and accordingly, the broken piece (K) can be easily found.

[0011] In the glove for food handling according to the second aspect of the present invention, since a luminescent material is kneaded throughout the entire area of the glove main body (10) for food handling, regardless of what portion of the glove (1) for food handling is broken, a broken piece (K) of the portion is kneaded with the luminescent material that emits light in response to ultraviolet rays, and therefore, the broken piece (K) that mixed in food (F) can be easily found.

Brief Description of the Drawings

[0012] Fig. 1 is a front view showing a state where a hand of a worker is inserted in a glove for food handling according to an embodiment of the present invention, and a palm surface faces forward.

Fig. 2(a) is an explanatory view describing irradiation of food with

ultraviolet rays by using an ultraviolet light source, and Fig. 2(b) is an enlarged view of a portion A shown in Fig. 2(a), showing a state where a broken piece of the glove for food handling according to the same embodiment emits light in response to the ultraviolet rays when the broken piece mixes in the food.

5 Best Mode for Carrying Out the Invention

[0013] Referring to FIGs 1 and 2, hereinafter, an embodiment of a glove for food handling according to the present invention is described in detail. In the following description, as upward, downward, leftward, and rightward directions, upward, downward, leftward, and rightward directions viewed from the front of the drawings are applied. A glove for food handling shown in the present embodiment is a glove
10 compliant with the Food Sanitation Act.

[0014] As shown in Fig. 1, a glove 1 for food handling according to the present embodiment includes a glove main body 10 for food handling, and this glove main body 10 for food handling is made of polyethylene, vinyl chloride, thermoplastic elastomer, nitrile rubber, latex, or the like. The glove main body 10 for food handling
15 thus made has a glove shape so as to allow a worker's hand H to be inserted inside as shown in Fig. 1. In detail, the glove main body 10 for food handling includes a palm portion 11, a narrow portion 12, and an opening 13.

[0015] The palm portion 11 is formed so as to cover the whole of a palm Ha portion
20 of the worker's hand H along the shape of the palm as shown in Fig. 1. As shown in Fig. 1, the narrow portion 12 is formed integrally with a lower end portion of the palm portion 11 to have a narrowed shape so that a wrist Hb portion of the worker's hand H comes into close contact with the portion of the glove main body 10 for food handling. Accordingly, the glove 1 for food handling easily comes into close contact
25 with the worker's hand H, and this improves workability.

[0016] In addition, the opening 13 is formed integrally with a lower end portion of the narrow portion 12, and is opened so as to allow the worker's hand H to be inserted inside the glove main body 10 for food handling.

[0017] On the other hand, throughout the entire area of the glove main body 10 for

food handling, a luminescent material that emits light in response to ultraviolet rays is kneaded. This luminescent material responds to ultraviolet rays S (refer to Fig. 2(a)) irradiated from an ultraviolet light source L (refer to Fig. 2(a)) such as a black light, and is made of a zinc-based fluorescent pigment, a fluorescent dye, or the like.

5 This luminescent material is kneaded in a resin in a liquefied state before the glove main body 10 for food handling is manufactured. Accordingly, by solidifying the kneaded liquid, the luminescent material that emits light in response to ultraviolet rays is kneaded throughout the entire area of the glove main body 10 for food handling.

10 [0018] The thickness of the glove 1 for food handling thus formed is, for example, 15 μm to 150 μm , and is formed to include a single layer or multiple layers such as two layers or three layers.

[0019] Thus, the glove 1 for food handling constituted as described above is used by a worker as follows. That is, first, a worker inserts his/her hand H to the inside of

15 the glove main body 10 for food handling from the opening 13. Accordingly, portions of a palm Ha, a wrist Hb, and an arm Hc (refer to Fig. 1) of the worker are inserted inside the glove main body 10 for food handling, and accordingly, as shown in Fig. 1, the glove 1 for food handling is worn on a hand H of a human.

[0020] In this state, the worker handles food F (in Fig. 2(a), a lunch is illustrated)

20 such as ham, sausage, pickles, sweets, dairy products, and lunch, etc. At this time, for whatever reason, the glove 1 for food handling itself may be broken and a broken piece K as shown in Fig. 2(b) may mix in the food F (in Fig. 2(a), a lunch is illustrated). However, even when this kind of problem occurs, since the luminescent material that emits light in response to ultraviolet rays is kneaded throughout the

25 entire area of the glove main body 10 for food handling of the glove 1 for food handling, the luminescent material is also kneaded in the broken piece K shown in Fig. 2(b). Therefore, as shown in Fig. 2(a), when the food F (in the drawing, a lunch is illustrated) is irradiated with ultraviolet rays S by using an ultraviolet light source L such as a black light, in response to the ultraviolet rays S, the broken piece K as

shown in Fig. 2(b) emits light. Accordingly, even when a broken piece K as shown in Fig. 2(a) mixes in food F (in the drawing, a lunch is illustrated), the broken piece K can be easily found.

[0021] In the present embodiment, an example in which a luminescent material that emits light in response to ultraviolet rays is kneaded throughout the entire area of the glove main body 10 for food handling is shown, however, without limiting to this, the luminescent material may be kneaded in a portion. However, it is more preferable that a luminescent material that emits light in response to ultraviolet rays is kneaded throughout the entire area of the glove main body 10 for food handling.

10 The reason for this is that regardless of what portion of the glove 1 for food handling is broken, a broken piece K of the portion is kneaded with the luminescent material that emits light in response to ultraviolet rays, and therefore, the broken piece K that mixed in the food F (in the drawing, a lunch is illustrated) can be easily found.

[0022] According to the present embodiment described above, since a luminescent material that emits light in response to ultraviolet rays is kneaded in the glove main body 10 for food handling, even if a broken piece K of the glove 1 for food handling mixes in food F (in the drawing, a lunch is illustrated), by irradiating the food F with ultraviolet rays S by using an ultraviolet light source L such as a black light, the broken piece K emits light in response to the ultraviolet rays S, and therefore, the

20 broken piece K can be easily found.

[0023] The shapes and dimensions, etc., shown in the present embodiment are just examples, and can be variously modified and changed within the scope of the present invention described in the claims.

Description of Reference Symbols

25	[0024]	1	Glove for food handling
		10	Glove main body for food handling
		K	Broken piece
		F	Food
		L	Ultraviolet light source

S Ultraviolet rays

WHAT IS CLAIMED IS:

[Claim 1] A glove for food handling(1) comprising a glove main body for food handling(10) kneaded with a luminescent material that emits light in response to ultraviolet rays(S).

- 5 [Claim 2] The glove for food handling(1) according to Claim 1, wherein the luminescent material is kneaded throughout the entire area of the glove main body for food handling(10).