Claims

[Claim 1]

A flexible container comprising:

a body portion having:

a cylindrical side wall provided with a filling port formed on one end side in an opening direction thereof;

a bottom surface connected to another end side of the side wall by sewing, bonding or heat-sealing in a direction perpendicular to the opening direction; and

hanging belt supporting portions provided on the side wall at least two opposed positions,

wherein

a planer shape of the bottom surface is a square; provided that each side of the square is imaginarily divided into three, four, six or eight equal portions, portions of each side at both ends of the side, which form a corner of the square, are chamfered into an arc shape;

the side wall has a corner corresponding band portion extending from each of the chamfered outer peripheral portions of the bottom surface to top end of the side wall in parallel to the opening direction;

a first reinforcing band portion is provided on the side wall in such a manner that the first reinforcing band portion is contained in, or extends in a

circumferential direction from, each of the corner corresponding band portions; and

the hanging belt supporting portion is provided on a surface of the first reinforcing band portion.

[Claim 2]

The flexible container according to claim 1, wherein

each of the first reinforcing band portions is joined to the corner corresponding band portion such that each end portion on the bottom surface side of each of two strips of the first reinforcing band portions is contained in all or part of the corner corresponding band portion or at least a part in the width direction of one or both of end portions on the bottom surface side of each of the two strips of first reinforcing band portions extends from beyond both ends in the circumferential direction of the corner corresponding band portion.

[Claim 3]

The flexible container according to claim 1 or 2, wherein

in a case where the side wall is made of a yarn fabric and the first reinforcing band portion is reinforced by increasing the number of yarns, the first reinforcing band portion is formed such that the number of warp yarns arranged within the width is increased relatively 30 to 100% than the number of warp yarns with the same width as the side wall other than the first reinforcing band portion and the increased number of

yarns is dispersed and overlapped within the width and is woven with weft yarns.

[Claim 4]

The flexible container according to any one of claims 1 to 3, wherein

on the side wall, a second reinforcing band portion is provided in a band shape in parallel to the opening direction of the side wall so as to divide the side wall between the mutually adjacent first reinforcing band portions into a plurality of equal portions in the circumferential direction.

[Claim 5]

The flexible container according to claim 4, wherein

the second reinforcing band portion is configured such that the tensile strength characteristics of the second reinforcing band portion along the opening direction of at least the side wall is set relatively smaller than that of the first reinforcing band portion.

[Claim 6]

The flexible container according to any one of claims 1 to 5, wherein

on one end side in the opening direction of the side wall, there is formed a top surface having the same shape and size as the bottom surface in a direction perpendicular to the opening direction, and the filling port is provided in a central area of the top surface and

the filling port has a size relatively smaller than an opening size of the side wall.

[Claim 7]

The flexible container according to any one of claims 1 to 6, wherein

on one end side in the opening direction of the side wall, there can be detachably arranged a frame body having the same shape and size as the outer periphery of the bottom surface in a direction perpendicular to the opening direction.

[Claim 8]

The flexible container according to claim 7, wherein

the frame body can be configured such that the outer periphery can be expanded and contracted to an outer peripheral length substantially equal to the outer peripheral length of the side wall or slightly larger than the outer periphery.

[Claim 9]

The flexible container according to any one of claims 1 to 8, wherein

the flexible container is a cross container or a running container.