CLAIMS

[Claim 1] A synthetic resin cap molded by use of a mold having a resin inlet, comprising:

an opening section and a thin wall section,

wherein the opening section and the thin wall section are provided such that a resin inlet mark is positioned therebetween;

the opening section is configured such that a detachable piece is connected to the opening section through a weakened section; and

the thin wall section is provided so as to intersect with a radial direction of a virtual circle whose center is located at the resin inlet mark, and the thin wall section is formed so as to surround the resin inlet mark and the opening section.

[Claim 2] A synthetic resin cap according to claim 1, wherein the thin wall section has a primary thin wall section formed so as to surround the resin inlet mark, and secondary

thin wall sections formed such that the opening section is located therebetween.

[Claim 3] A synthetic resin cap molded by use of a mold having a resin inlet, comprising:

an opening section and a thin wall section,

wherein the opening section and the thin wall section are provided such that a resin inlet mark is positioned therebetween;

the opening section is configured such that a detachable piece is connected to the opening section through a weakened section;

the thin wall section is continuous to the weakened section, and the thin wall section is provided so as to intersect with a radial direction of a virtual circle whose center is located at the resin inlet mark, and the thin wall section is formed so as to surround the resin inlet mark; and

an end portion of the thin wall section is formed thicker than the weakened section.

[Claim 4] A synthetic resin cap according to any one of claims 1 to 3, wherein the opening section has a shape resembling the letter C and is formed so as to surround the resin inlet mark.

[Claim 5] A synthetic resin cap according to any one of claims 1 to 4, wherein the thin wall section has an annular shape, a shape resembling the letter C, or a rectilinear shape.

[Claim 6] A mold for molding a synthetic resin cap having an opening section to which a detachable piece is connected through a weakened section, comprising:

a resin inlet for charging molten resin into the mold;

an opening-section-molding section for molding the opening section at a position located apart from the resin inlet;

a flow-limiting section located opposite the opening-section-molding section with respect to the resin inlet and adapted to limit the flow of the molten resin;

wherein the flow-limiting section is formed so as to surround the resin inlet and the opening-section-molding section, and

the opening-section-molding section has a weakened-section-forming section.

[Claim 7] A mold for molding a synthetic resin cap having an opening section to which a detachable piece is connected through a weakened section, comprising:

a resin inlet for charging molten resin into the mold;

an opening-section-molding section for molding the opening section at a position located apart from the resin inlet;

a flow-limiting section located opposite the opening-section-molding section with respect to the resin inlet and adapted to limit the flow of the molten resin;

wherein the opening-section-molding section has a weakened-section-forming section;

the flow-limiting section is continuous to the weakened-section-forming section; and

an end portion of the flow-limiting section is thinner than the weakened-section-forming section.

[Claim 8] A mold according to any one of claims 6 and 7, wherein the flow-limiting section has an annular shape, a shape resembling the letter C, or a rectilinear shape.

[Claim 9] A production method for a synthetic resin cap molded by use of a mold according to any one of claims 6 to 8, comprising:

a step of charging molten resin into the mold from the resin inlet;

a step of forming the opening section; and

a step of limiting the flow of the molten resin in a direction opposite the opening section with respect to the resin inlet.