



Steel for crown corks

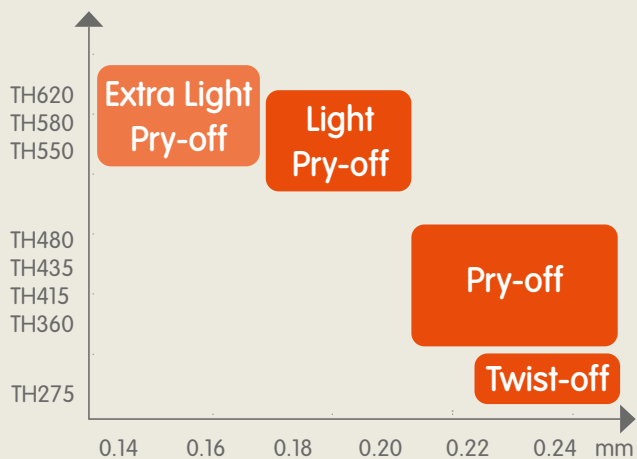
Crown corks (pry-off or twist-off) for the closure of beverage glass bottles are made of chromium-plated or tin-plated steel, on which high-precision printing is required.

Downgauging is becoming a major challenge in this competitive market. Some light solutions for pry-off are today typical, and future will be much lighter downwards 0,15mm or below. Part of this successful trend comes from the use of high strength steel grades.

Good flatness, very good lacquer adhesion and tight tolerances on strip width and sheet squareness are necessary for high-quality printing.

ArcelorMittal offers a wide range of tempers and thicknesses to enable downgauging and cost reduction:

TS275; TH360; TH415; TH435; TH480
TH550; TH580; TH620



Steel for caps

Twist-off caps for hermetic closure of glass containers for sterilised food have a safety button (flip panel) with a snap action to produce a characteristic noise when opening the jar, reassuring the consumer that the food is safe. As the forming process does not involve a trimming step, earing after drawing must be very low, especially for small-diameter caps.

The tinplate requirements are good flatness for good printing, tight tolerances on thickness and yield stress to make the forming of the flip panel consistent, and low anisotropy material to avoid earing during drawing.

ArcelorMittal offers TH620 or TH580 with controlled anisotropy in a wide range of thicknesses to cover all cap dimensions.

