

# Material solutions for high speed meat processing

## TRENDS

In the meat processing industry plastics must withstand common cleaning and sterilisation methods such as CIP, COP or SIP. Colour coded components are used more and more to distinguish exchangeable parts or to prevent food stuff contamination in case of failure.

## ANSWERS

We offer plastics which withstand chemicals used in the various cleaning processes. Additionally, colour coded components provide a vital visual detection aid in case of failure, allowing easy and quick part-exchange and increased flexibility-in-use of the equipment.

## BENEFITS

The result is less downtime and less maintenance adding up to improved performance and cost savings. Our solutions for the food industry have food contact compliant composition under North American and European regulations.

We provide high performance plastic rod, plate or tube for machining or as finished parts.

## Ertalyte TX Forming Equipment

**Challenges:** Inside the forming equipment, minced meat is pressed into a moulding plate, shaping the hamburgers. Then the plate slides out horizontally, letting the burgers fall onto a wire belt. The plate needed to be wear resistant and dimensionally stable, holding its flatness throughout the pressing cycle. It needed to be easy sliding without the application of external lubricants.

**Solution:** Ertalyte TX was chosen as the best solution thanks to its dimensional stability and excellent wear and frictional properties.

**Benefits:** Chemical resistance against cleaners, good and easy machining, and food contact compliancy are part of the package which helps to reduce overall costs and provides a better hygiene of the equipment.

## Cestilene HD 1000 (TIVAR 1000) Poultry Cleaner

**Challenges:** To remove the full digestion channel of a slaughtered chicken, a rotating drill and grabber is inserted into the bird. The housing is machined in plastic of low weight and good wear resistance. The part needed to show excellent release properties (no meat adhering to it), very good impact resistance and good cleanability.

**Solution:** Cestilene HD 1000 was selected because it met all of the requirements.

**Benefits:** Excellent resistance against cleaning chemicals and food contact compliant composition. This cost effective solution helps to increase flexibility in handling during the slaughtering process and maintenance.

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