

Material solutions for high speed bakery processing

TRENDS

Today's high-speed production methods generate more wear, heat and pressure on the large machines needed on the line. In order to prevent material loss there is a great demand for accurate dosing systems.

ANSWERS

The results are less maintenance and thus time savings due to self-lubricating materials as well as cost savings due to dimensionally stable materials which ensure accurate dosing of the dough.

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

Our unique service approach provides the platform for bringing your concept to the production line.

Ertalyte TX

Challenges: A small-breads bakery machine manufacturer needed a low weight part to press the dough out of a dosing chamber. It needed to show very good wear resistance, excellent frictional properties, very good release properties (no sticking of dough), dimensional stability, chemical resistance and high load capacity.

Solution: Ertalyte TX with better wear resistance, sliding properties and dimensional stability than Polyoxymethylene (POM) or Polyamide 6.

Benefits: Maintenance and design cost reductions, no corrosion problems like aluminium, food contact compliance, better hygiene and safety performance along with considerable weight reduction.

Duratron U1000 PEI

Challenges: The manufacturer needed a distribution spool for cookie filling. The spool also pushed the cookies out, working like a piston. The material needed to maintain good stiffness at elevated temperatures and at the same time be of low weight. Low heat conductivity and easy maintenance other requirements.

Solution: Duratron U1000 PEI exhibiting stiffness and dimensional stability at operating temperatures up to 160°C.

Benefits: Replaced a metal assembly that needed more time to disassemble and clean, at the same time offering lower overall costs and food contact compliance.

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