CASE STUDY

A new level of **purging**

Switch to Dyna-Purge® X improves extruder's purging cost by 96%.

SITUATION

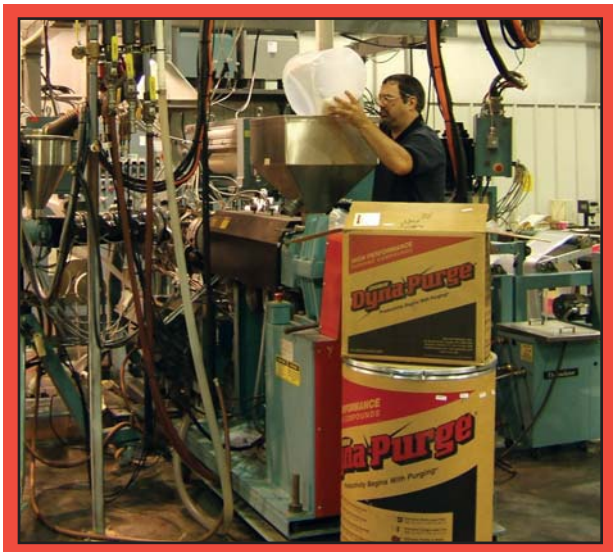
Sonoco Packaging is a global supplier of industrial and consumer packaging with headquarters in Hartsville, South Carolina.

Sonoco's Hartsville facility utilizes a 5-layer capable Killion Pilot line to produce flexible packaging and extrusion laminations. Typical barrel temperatures range from 300° F to 620° F (148° C to 327° C). As an R&D pilot line they use a wide variety of materials – i.e. LLDPE, LDPE, EVA and EMA as well as color concentrates and other additives.

Sonoco's pilot plant supervisor was seeking to solve issues with die lines. They would sometimes fight to clean die lines from carbon for three hours or more. That meant on average about a $450 cost to purge. **Because the R&D line purges every time they shut down the extruder or change resins, this was becoming a costly dilemma.**

SOLUTION

Switch to Dyna-Purge® X, a non-abrasive, non-chemical "engineered" thermoplastic purging compound, formulated to have a natural flow through the extruder at temperatures ranging from 350°F to 600°F (177°C to 315°C).



Sonoco has drastically reduced downtime on its R&D extrusion pilot line using Dyna-Purge X and reduced purging costs by 96%.

RESULTS

- Using **Dyna-Purge X** eliminates the three hours or more of downtime experienced using their previous methods.
- The line now uses about **3 lbs. of Dyna-Purge** at a cost of about **$15 per purge which results in a 96% cost improvement.**
- Dyna-Purge X **quickly and efficiently** cleans the system of carbon build-up and unwanted resin and color.

Dyna-Purge X is designed for extruders and co-extruders that process tubing or pipe, sheet, and other profiles.

SHUMAN Dyna-Purge®
Productivity Begins With Purging®

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