

INDUSTRY
PACKAGING**APPLICATION**
VERTICAL FORM FILL
SEAL MACHINE**PRODUCT**
BLUE ANTI-GLAZE**SITUATION/APPLICATION**

Vertical form fill sealing machines (VFFS) are automated assembly-line product packaging systems used in the packaging industry for food and other products. They are typically loaded with a continuous flat roll of plastic, foil or paper film. They form, fill and seal a package, all on the same machine. VFFS machines employ a wide range of material types and are used across many markets including food, beverages, cosmetics, electronics, chemical, medical, and pharmaceuticals. Products commonly associated with form/fill/seal machinery include snack items, nuts, sugar, rice, sauces, condiments, tablets, capsules and pills just to name a few.

THE PROBLEM

An end user at a food processing facility recently contacted Megadyne with a production issue on their VFFS units. Timing belts were used to transfer packaging for wrapped cookie bars. The wrapping was rubbing off on the belts — which were covered in traditional red Linatex® rubber — causing them to lose tackiness and requiring frequent cleaning. To address this issue, the client had to frequently stop the conveyor in order to recalibrate the system, thereby halting production and hurting productivity. They turned to Megadyne to develop a solution that would restore the function of the timing belts and minimize downtime.

THE SOLUTION

Megadyne replaced the customer's belt cover material with its Blue Anti-Glaze Rubber Compound. Unlike red Linatex®, Blue Anti-Glaze cover with its high coefficient of friction gripped the product and eliminated the glazing that occurred with the previous belts. The Blue Anti-Glaze Compound additionally provides excellent thermal resistance, able to withstand temperatures ranging from -10°C to 105°C (14°F to 221°F), while also being extremely resistant to abrasion and chemicals. These features make it ideal for a wide variety of applications.

THE RESULT

With the help of Megadyne, the client now runs its line continuously, cleaning belts only in between shifts according to scheduled maintenance procedures. One of our most advanced belting covers, the Blue Anti-Glaze rubber cover maintains its desired properties of tackiness/grip during long production runs to resist glazing and maintain friction, eliminating unwanted shifting as materials move through the system.

