PERFORMANCE IN MOTION
THE NEXT GENERATION MATERIAL
HOW CAN YOU IMPROVE THE PERFORMANCE OF YOUR CONVEYOR LINES?
REGINA HAS THE ULTIMATE SOLUTION!!

In the first half of the nineties, REGINA understood that the development of new products for Conveyor application should have been through an expanded use of engineered polymer materials than in the past. This strategy allowed the solving of geometrical problems and suited new line requirements.
The long standing and close co-operation between REGINA and DuPont™ resulted in the formulation of the new Delrin® with Kevlar® material (DK).

REGINA introduced DK to the market during Drinktec 1997.

We felt that, after many years of slow evolution, this was the first major step forward, increasing wear resistance and reducing coefficient of friction compared to the traditional thermoplastic chains.

DK material was offered to traditional users of stainless steel chains, allowing them to use a wider range of products and improve the conveyor line’s efficiency.

In more than ten years of field experience, DK proved to be a problem solver and allowed our customers to overcome critical bottlenecks.
Partners of this adventure have been leaders such as Coca Cola, Empresas Polar, Inbev, Modelo Mexico, Nestlé Group, Owens Illinois and Saint Gobain.

Our Customers achieved great advantages in terms of dust build up and lubrication reduction, minimizing the cost of lubricants and waste water treatment.

TEN YEARS AFTER THE FIRST INNOVATION, REGINA AND DUPONT™ ANNOUNCE A FURTHER EVOLUTION, INTRODUCING TO THE MARKET THE MATERIAL OF NEXT GENERATION: DK². MAINTAINING THE PERFORMANCE OF THE ORIGINAL DK, DK² HAS BEEN DESIGNED TO IMPROVE THE PERFORMANCE IN PET BOTTLING LINES.
THE RESULTS OBTAINED HAVE SHOWN GENERAL PERFORMANCE INCREASE AND COST SAVINGS FOR ALL CONVEYOR APPLICATIONS AND CONTAINERS.

THE EXCELLENT RESULTS ACHIEVED STRENGTHEN THE COLLABORATION BETWEEN THE TWO COMPANIES. ALWAYS LOOKING FOR SOLUTIONS AT THE CUTTING EDGE OF TECHNOLOGY AND QUALITY, REGINA AND DUPONT™ ARE LAUNCHING A “GREEN CONVEYOR” SOLUTION, ALLOWING “LUBRICANT FREE” CONDITIONS IN MOST APPLICATIONS.

DuPont™ Delrin® and DuPont™ Kevlar® are registered trade marks of E.I. DuPont De Nemours and Associates.
**BENEFITS**

**DK² OFFERS THE FOLLOWING TECHNICAL AND PERFORMANCE IMPROVEMENTS:**

- The lowest coefficient of friction in bottling applications.
- The lowest back-line pressure on conveyed containers.
- Reduced stick slip effect on long centre to centre conveyors.
- Drastic reduction or elimination of lubrication.

**THE SUPERIOR TECHNICAL PROPERTIES OF DK² EASILY TRANSLATE INTO GREAT ECONOMICAL ADVANTAGES FOR THE END USERS:**

- Longer life
- Lower maintenance cost
- Higher productivity
- Lower environmental cost
- Reduction or elimination of chemical lubricants
- Water consumption savings
- Lower waste water treatment cost
- Lower energy consumption
- Improved health and safety conditions
  (less wash down, no soap hazards, etc.)

Please contact our Application Engineering Department for a more detailed evaluation.