



TPU BELTS

THERMOPLASTIC POLYURETHANE

TIMING BELT BACKINGS

INFINITE BACKING AND PROCESSING POSSIBILITIES

With over 30 different backing materials available, Gates offers you infinite design possibilities for your endless timing belts. Whether you need a higher or lower coefficient of friction, a higher chemical resistance or static conductivity, we can manufacture the most appropriate belt for your application.

Additional surface finishing can be applied to get the unique surface characteristics for your application. From grinded edges or surfaces to tight tolerances, punching or machining holes and slots to CNC machining of three dimensional contours, Gates provides customised solutions for all needs.

CUSTOMISED BACKINGS CAN PROVIDE:

- A dramatic increase or decrease in the coefficient of friction
- Varying levels of cushioning and durability through material thickness and hardness selection
- Static conductivity
- Various levels of chemical resistance
- An ability to alter wear characteristics

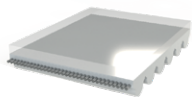


BACKING MATERIALS TO FIT YOUR APPLICATION NEEDS

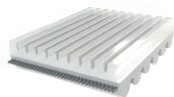
MANY APPLICATIONS REQUIRE BELTS WITH SPECIFIC SURFACE CHARACTERISTICS. A WIDE VARIETY OF CO-EXTRUDED AS WELL AS POST-LAMINATED BACKINGS ARE AVAILABLE TO SOLVE YOUR TOUGHEST APPLICATION REQUIREMENTS.

POLYURETHANE

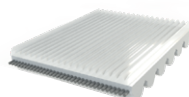
Gates TPU urethane backings are available in several different varieties. Available in different durometers, with different coefficients of friction, urethane backings are the toughest and most durable backing material.



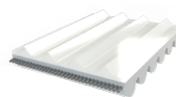
Clear Urethane



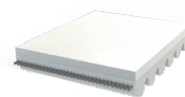
Glass Backing



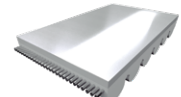
Fine Glass Backing



Ridge Top



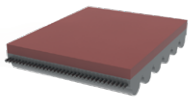
White Urethane



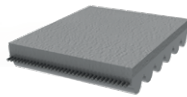
HV Foil

RUBBER

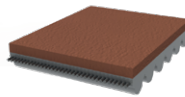
Feeding applications generally require extremely high friction. Rubber can provide this high friction, even while wet. Some rubber backings also offer antistatic properties, higher temperature ratings, and good chemical and abrasion resistance.



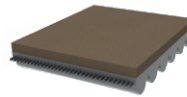
Linatex®



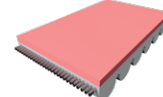
Linaplus FG™



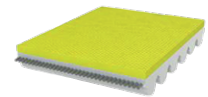
Linatril®



Tan Natural Rubber



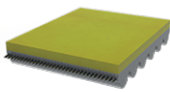
Thermoplastic Rubber



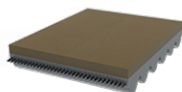
RP 400

FOAM

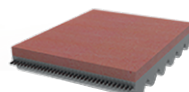
Many applications require a combination of friction and the ability to conform to unusual product shapes. Gates TPU foam backings are available in different densities for various compliance, cushioning and friction surfaces. Belts can be constructed with a foam layer for cushioning and a tougher high friction outer layer.



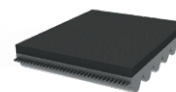
HD Yellow



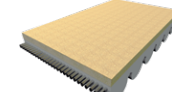
Brown



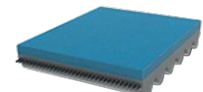
Red



Neoprene



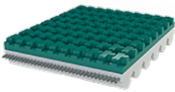
Celloflex



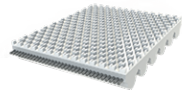
Sylomer Blue

PVC

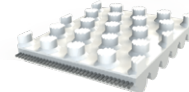
Available with unusual surface patterns and characteristics, PVC backings offer a well bonded, economical solution with very good wear properties.



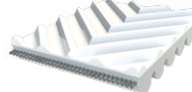
Rough Top



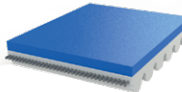
Small Pebble



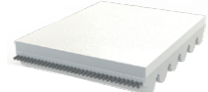
Large Pebble



Herringbone



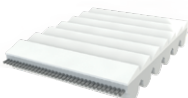
Blue PVC



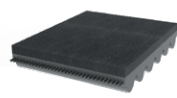
White PVC

SPECIALTY

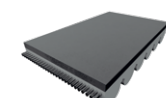
In addition to our standard backing types, we offer special backings, such as Novo Fleece, Chrome Leather, and Taracx. All backings are applied by adhesive bonding.



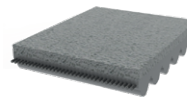
Sawtooth



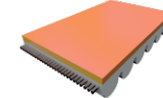
Antistatic Coating



Novo Fleece



Chrome Leather



Taracx



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