



TPU BELTS

THERMOPLASTIC POLYURETHANE

GATES TPU

SUPER FLEX™ VOLT

ANTISTATIC BELTS FOR EXPLOSIVE ATMOSPHERES AND STATIC ELECTRICITY SENSITIVE APPLICATIONS

Our advancements in material science, design engineering and process technologies allow Gates to deliver truly endless timing belts that safely dissipate static electricity. Gates® Super Flex™ Volt meets DIN ISO 9563 static conductivity standard over the full lifetime of the belt.

Gates® Super Flex™ belts are truly endless extruded belts with helically wound steel cords — designed to meet our customers' demands for high flexibility with short delivery times.

Various backings and profiles, including Nylon fabric on the tooth side, are available to create customized conveying and transportation solutions. Please contact Product Application Engineering for antistatic backing and profile options.

Gates® Super Flex™ Volt belts combine the durability of Gates® quality products and optimal lead times within a reliable partnership — making Gates® Super Flex™ Volt the number one choice in polyurethane synchronous belts. You can confidently rely upon Super Flex™ Volt belts for high power transmission drives and heavy load-conveying applications requiring static conductivity.

FEATURES + BENEFITS

- Static conductive (ISO 9563) for use in conditions described by directive 2014/34/EU-ATEX
- Extensive range of sizes and widths
- Any length between 1,5 and 12m
- Steel reinforcement options (application specific)
- Optional Nylon fabric on tooth side
- Antistatic backing material options
- Over 3,000 welded profile designs
- Engineering support for custom designs



SUPER FLEX™ VOLT

PRODUCT SPECIFICATIONS

PITCHES	T5 / AT5 / T10 / AT10 / T20
WIDTH	from 10mm up to 150mm
LENGTH	from min 1600mm up to 12000mm
CONTACT RESISTANCE	>10mΩ
DUROMETER	92° Shore A
TEMPERATURE RANGE	+5 °C to +60 °C
CORDS	Steel (standard)
FABRICS	Polyamide on teeth - NT
COLOR	Black
BACKINGS + PROFILES	Please contact Product Application Engineering for available options
SPECIAL PROCESSING	Grinding, milling, punching and many more available on request

ATTRIBUTES & APPLICATIONS

Gates® Super Flex™ Volt belts serve demanding drives and conveying applications on equipment used within explosive atmospheres – electrical or mechanical – including protective systems for:

- Fixed Offshore Platforms
- Petrochemical Plants
- Electronic Production and Assembly Equipment
- Mines
- Flour Mills
- And other areas where a potentially explosive atmosphere may be present

