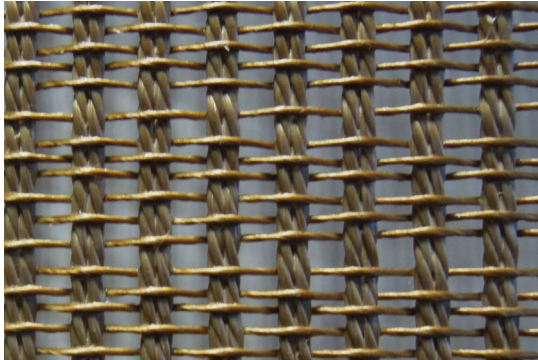


Technical data sheet

SAATIBELT RTG64

Special Technora® and glass fibers for belting applications



| TECHNICAL DATA | |
|------------------|---|
| PRODUCT NAME | SAATIBELT® RTG64 |
| FIBER | PTFE coated combination of Technora® and Glass Fiber |
| WEIGHT | 840 g/m ² |
| TEMPERATURE | max 250 °C |
| AVAILABLE WIDTHS | up to 3700 mm (complete belt) |
| ACCESSORIES | sealed and sewn aramid edges: PTFE coated Technora® joint |
| AIR PERMEABILITY | 6643,3 l/m ² /s |

Technora® is a registered trademark of Teijin

Product Application

SAATIBELT® RTG64 is used in a wide range of applications, especially wherever hydrolysis resistance and high mechanical strength are required. The complete SaatiBelt product range made out from Technora® and Glass fibers are mostly used in textile and leather dryers. It is also strongly recommended for production of nonwoven material. These conveyor belts are usually reinforced with sewn and sealed aramid reinforcements and then finished with special Technora® PTFE coated joint mechanically resistant up to 20 N/cm.

Characteristics

- **High tensile strength.** The tensile strength of Technora® is 28g/dtex, which is 8 times stronger than steel and 3 times stronger than fiberglass, polyester and nylon of the same weight.
- **Fatigue resistance.** High tenacity fibers generally show great degradation of strength against repeated abrasion, flexure and stretch, but Technora® has more excellent fatigue resistance than other high tenacity fibers.
- **Dimensional stability.** Thanks to Technora®, RTG64 has stiff and highly oriented molecular structure, which leads to high tensile modulus, low creep and low stress relaxation. Moreover, due to low thermal shrinkage and expansion and also thanks to double Glass fiber on the weft, it has excellent dimensional stability.
- **Heat resistance.** Technora®'s decomposing temperature is 500°C. It can be used at 200°C for a long time, and even at 250°C it maintains more than half of its tensile strength in the normal temperature.
- **Chemical resistance.** Technora® exhibits high resistance both to acids and alkalis, as well as organic solvents. It is also stable against seawater and steam, and shows good hydrolytic resistance.



Photo courtesy of Stamperia Olonia S.a.S

Company Profile

SAATI is a leader in the production and distribution of dryer, conveyor and filter belts used in many applications. The SAATIBELT® line of products is manufactured from technically advanced fibers that offer the highest resistance, reliability and durability. SAATIBELT® conveyors are fabricated to customer's exact specifications in UNI EN ISO 9001 certificated facilities.