SAATI

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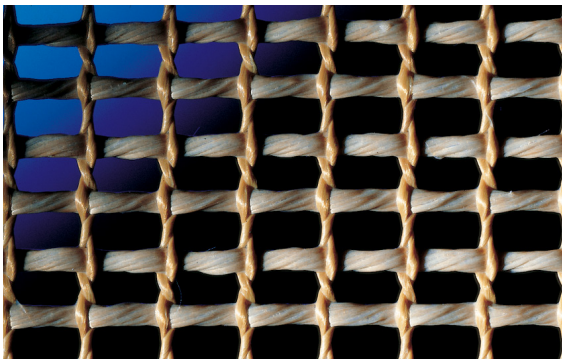
Technical data sheet

SAATIBELT RTG23

Special Technora® and glass fibers for belting applications



TECHNICAL DATA	
PRODUCT NAME	SAATIBELT® RTG23
FIBER	PTFE coated combination of Technora® and Glass Fiber
WEIGHT	620 g/m^2
TEMPERATURE	max 250 °C
AVAILABLE WIDTHS	up to 2700 mm (complete belt)
ACCESSORIES	sealed and sewn aramid edges: PTFE coated Technora® joint
AIR PERMEABILITY	9400 l/m^2/s

The listed technical specifications are referred to mean values of production samples. In accordance with our policy of continuosly improving our products, the above technical specifications are subject to change without any notice.

Characteristics

- **High tensile strenght.** 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®, RTG23 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 also to Glass fiber on the weft, it has good 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 mantains 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.

Product Application

SAATIBELT® RTG23 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.

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 certificatd facilities.