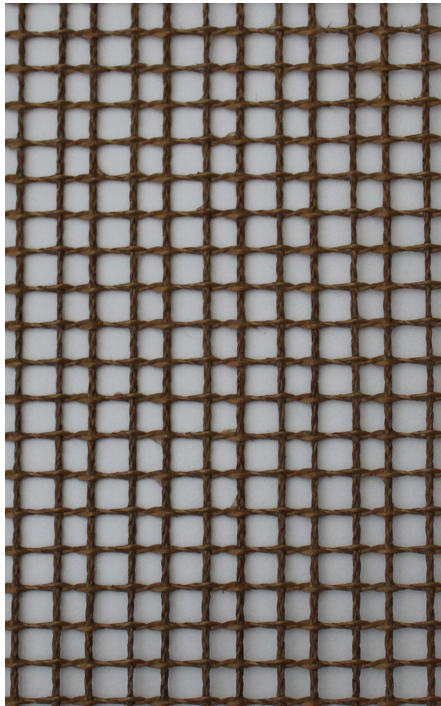


Technical data sheet

SAATIBELT RT2

Special Technora® fibers for belting applications



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®, RT2 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 an additional copper yarn 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 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.

Product Application

SAATIBELT® RT2 is used in a wide range of applications, especially wherever hydrolysis resistance and high mechanical strength are strongly required. The complete SAATIBELT product range made out from Technora® fiber is mostly used in the textile market but it is also recommended for use in the tanning and food industries. These conveyor belts are usually reinforced with sewn and sealed aramid edges and then finished with special Technora® PTFE coated joint mechanically resistant up to 20 N/cm.

TECHNICAL DATA	
PRODUCT NAME	SAATIBELT® RT2
FIBER	PTFE coated Technora®
GEOMETRY	square mesh 4x4 mm
WEIGHT	345 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	15960 l/m ² /s

Technora® is a registered trademark of Teijin

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 certified facilities.