



CONTIFLEX®
VULKAN and TCC
Textile Conveyor Belts
for Hot Goods

Conveyor Belt Group



CONTIFLEX® VULKAN and TCC

textile conveyor belts

with heat-resistant covers

ContiTech Conveyor Belt Group

As manufacturers of textile and steel cable conveyor belts, special products, and service material, we are geared to satisfying the requirements of mining, machine and plant engineering, and many other branches of industry. At our plant in Northeim, Germany – one of the most modern production facilities anywhere in the world – we turn out a complete range for all conveyor jobs. Our comprehensive service offering caters to the needs of retailers, primary equippers and operators.



Cover properties and quality characteristics

Cover designation	Conveyor-belt induced mechanical stressing	Chemical stressing from oil and grease in the goods conveyed	Tear-resistance in N/mm ² 2)
VULKAN T 150	++	–	23
VULKAN T 200	0	–	15
VULKAN TG	0	++	17
VULKAN GS	0	++	19
VULKAN TV	0	0	10
TCC	0	–	15

Proven in diverse applications

- Cement industry
- Steel and iron industry
- Fertilizers
- Chemical industry
- Rural co-ops and traders in agricultural commodities
- Coking plants
- Waste recycling

Product range

CONTIFLEX® textile conveyor belts with EP plies are available in widths of up to 3200 mm with a belt strength of EP 250/2 to EP 3150/5. The cover thicknesses can be selected to fit the intended application.

Kindly refer to the respective stock lists for info on TransConti® conveyor belts immediately availability.

Splicing with high-quality materials

For the splicing of conveyor belts with heat-resistant covers, we recommend that only ContiTech splicing materials be used. This ensures optimum splice strength and service life.

The CONTIFLEX® VULKAN and TCC range of textile conveyor belts features a broad selection of covers tailored to meet specific requirements. They can be optimally adapted to the respective application and go well beyond compliance with the stipulations contained in the pertinent standards. They are especially well suited to conveyor belt temperature loads of -45° to $+200^{\circ}$ °C.

Additional oil- and grease-resistance and flame-retardant types can be supplied.

Elongation at tear in % ²⁾	Wear in mm ³ ²⁾	Permissible temperature of conveyor belt (peak load) in °C		Maximum swelling in IRM oil 3 at 20 °C in Vol. %	Main polymer	Special characteristics
		min.	max. ³⁾			
550	90	-45	+150	-	SBR	GRADE "Y" to DIN 22102, bondable
500	85	-40	+200	-	EPDM	Resistant to acids and lye
500	170	-20	+125	5	NBR	Resistant to oil
500	230	-15	+120	5	NBR	Fire-retardant to EN 20340, oil-resistant
300	250	-15	+200	60	EAM	Halogen-free, low-fuming, temperature-resistant, fire-retardant
600	240	-30	+200	-	CR/JJR	Resistant to acids and lye

1) BGA = Federal Health Office

2) Statistical mean

3) The permissible temperature also depends on the nature of the temperature impact. In closed systems (e.g. elevator belt, pipe conveyor) the permissible temperature drops accordingly. Temperatures of the conveyed materials can be higher, depending on the size of the material pieces and on the operating conditions.

++ = very good

+ = good

O = satisfactory

- = adequate

-- = poor



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The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

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