

# Food Belts TT59



## Main industry segments

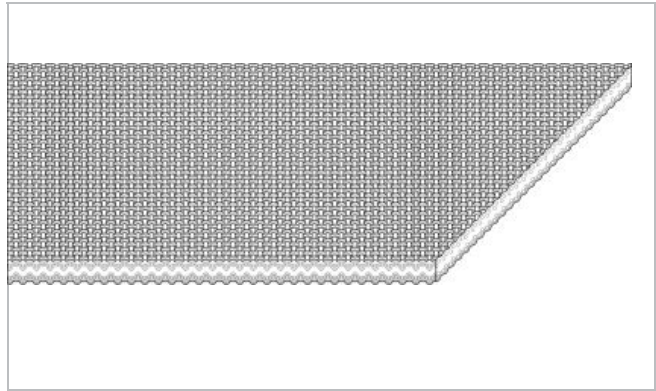
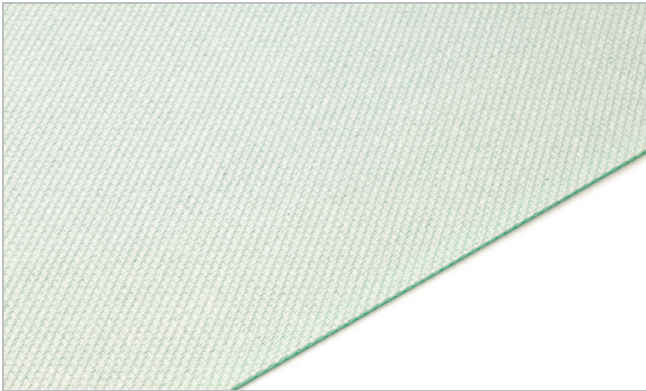
Baked snacks, Biscuit and Crackers, Bread, Pastry

## Applications

Accumulation belt, Cooling (line) belt, Dough belt, Dough rework belt

## Special features

Easy release, Low friction running side, Oil and fat resistant



Product Construction / Design	
Conveying side material	Polyester (PET)
Conveying side surface	Impregnated fabric
Conveying side property	Non-adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Green

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal

Technical data			
Thickness of belt	1.10	mm	0.04 inch
Mass of belt (belt weight)	1.0	kg/m <sup>2</sup>	0.205 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	7.5	N/mm	43 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	5.5	N/mm	31 lbf/in
Min. operating temperature admissible (continuous)	-30	°C	-22 °F
Max. operating temperature admissible (continuous)	80	°C	176 °F
Coefficient of friction (pulley side / steel driving pulley)	0.10	-	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-	
Coefficient of friction (pulley side / pickled steel slider bed)	0.15	-	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15	-	
Seamless manufacturing width	2000	mm	78.74 inch
On request other seamless manufacturing width	1500	mm	59 inch

## Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 80
Nosebar radius (minimum)	mm inch	4 0.157
Pulley diameter (minimum)	mm inch	20 0.79
Pulley diameter minimum with counter flection	mm inch	25 0.98
Admissible tensile force per unit of width	N/mm lbf/in	14 80
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	10 57
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Nosebar suitable		Yes
Metal detector suitable		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

## Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

## Mode of use or conveyance

Horizontal

## Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

## Recommendation

Do not go below initial elongation (epsilon) ~ 0.3%

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging.

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	Fabric Surface Belts
Sub-Group	Impregnated Belts
Item number	H700001290

## Disclaimer

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