

Light Conveyor Belts T04 Green



Main industry segments

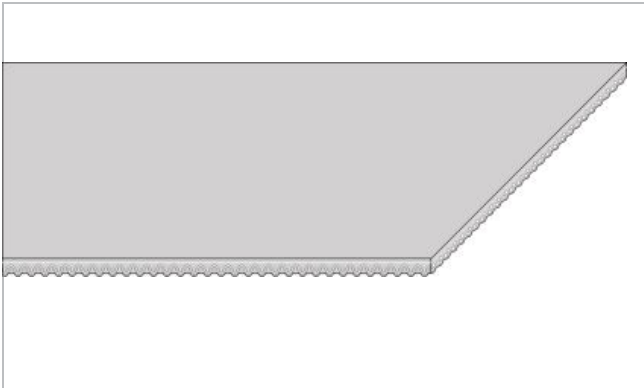
Chocolate, Convenience food, Primary food packaging

Applications

Chocolate cooling/ embossing, Cooling (line) belt, Infeed belt, Inspection/control belt, Miniconveyor belt, Outfeed belt

Special features

Abrasion resistant, Antistatic, Dimensionally stable, Flat laying, Flexibility, Knife-edge (nosebar) suitable, Oil and fat resistant, Small pulley diameter suitable



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Glossy
Conveying side property	Medium-adhesive
Conveying side color	Green
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
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

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Technical data			
Thickness of belt	0.60 mm	0.02 inch	
Mass of belt (belt weight)	0.60 kg/m ²	0.123 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	5.0 N/mm	29 lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	3.6 N/mm	21 lbf/in	
Min. operating temperature admissible (continuous)	-20 °C	-4 °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)	0.20 -		
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
Knife-edge (nosebar) radius (minimum)	mm inch	2 0.079
Pulley diameter (minimum)	mm inch	15 0.59
Pulley diameter minimum with counter flection	mm inch	15 0.59
Admissible tensile force per unit of width	N/mm lbf/in	9.0 51
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	6.5 37
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
Powerturns / curved installations		No
Metal detector suitable		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

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%

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. Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

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	TPU Belts
Sub-Group	-
Item number	H700001143

Disclaimer

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