

Food Belts Felt Top



Main industry segments

Bread

Applications

Dough belt

Special features

Easy release



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

Product characteristics	
Antistatically equipped	Yes
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	3.4	mm	0.13 inch
Mass of belt (belt weight)	2.5	kg/m ²	0.512 lb/sqft
Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	4.0	N/mm	23 lbf/in
Min. operating temperature admissible (continuous)	-20	°C	-4 °F
Max. operating temperature admissible (continuous)	70	°C	158 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20	-	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-	
Coefficient of friction (pulley side / pickled steel slider bed)	0.25	-	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-	
Seamless manufacturing width	2000	mm	78.74 inch

Joining related properties

Joining method	
Step Tuck in	Master joining method for standard applications
Finger Overlap 10 x 50	Optional joining method
Flexproof 10 x 80	Optional joining method

[Link to JDS:](#)

Joining method		Step Tuck in	Finger Overlap 10 x 50	Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	30 1.18		
Pulley diameter minimum with counter flection	mm inch	50 1.97		
Admissible tensile force per unit of width	N/mm lbf/in	24 137		
Slider bed suitable		Yes		
Carrying rollers suitable		Yes	Yes	Yes
Knife-edge (nosebar) suitable		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	Fabric Surface Belts
Sub-Group	Nonwoven Belts
Item number	H700000515

Disclaimer

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