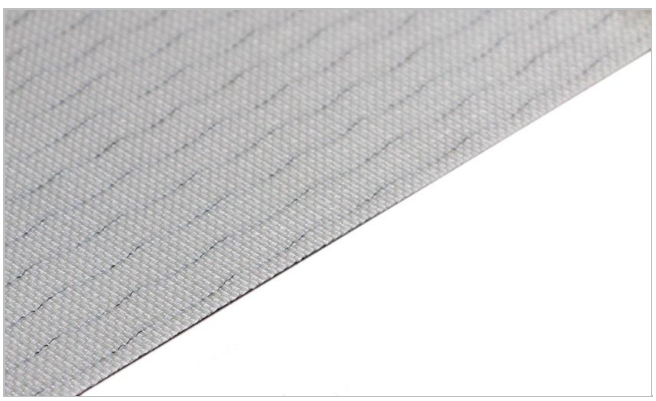
Food Belts
WVT-170

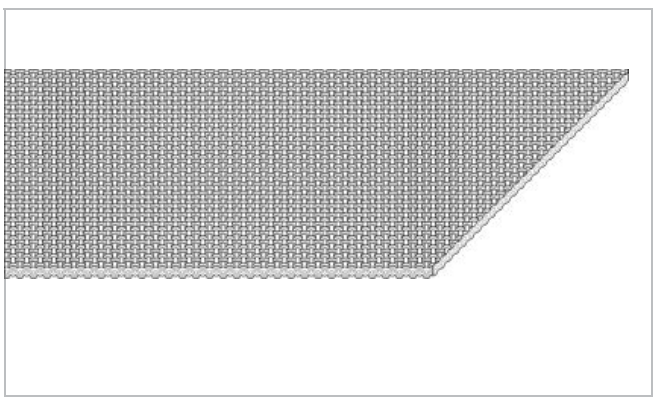
habasit

Main industry segments
Primary food packaging

Applications
Food processing/conveying belt, Weighing belt

Special features
Flexibility, Oil and fat resistant, Small pulley diameter suitable





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	1
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
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 - acc. to 21CFR parts 170 - 199. Details/restrictions see Habasit food compliance declaration.
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	Yes - acc. to Regulation (EC) No. 1935/2004 as well as Regulation (EU) No. 10/2011 and/or other relevant food contact legislation. Details/restrictions see Habasit food compliance declaration.
Other conformance/approval	Japanese Food Regulation (MHLW Notification No. 370)

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Thickness of belt	0.50	mm	*0.02*	*inch*
Mass of belt (belt weight)	0.30	kg/m²	*0.061*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	3.8	N/mm	*22*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	2.8	N/mm	*16*	*lbf/in*
Min. operating temperature admissible (continuous)	-40	°C	*-40*	*°F*
Max. operating temperature admissible (continuous)	70	°C	*158*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.15	-		
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)	0.20	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-		
Seamless manufacturing width	2000	mm	*78.74*	*inch*
On request other seamless manufacturing width	2500	mm	*98*	*inch*
On request further seamless manufacturing width	1500	mm	*59*	*inch*

Joining related properties

Joining method	
Flexproof 10 x 80	Optional joining method

Link to JDS:

Joining method		Flexproof 10 x 80
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*	7.0 *40*
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	5.0 *29*
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
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).

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

Mode of use or conveyance
Accumulation, Diverting, 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	H700002183