

# Food Belts

## WVT-146



### Main industry segments

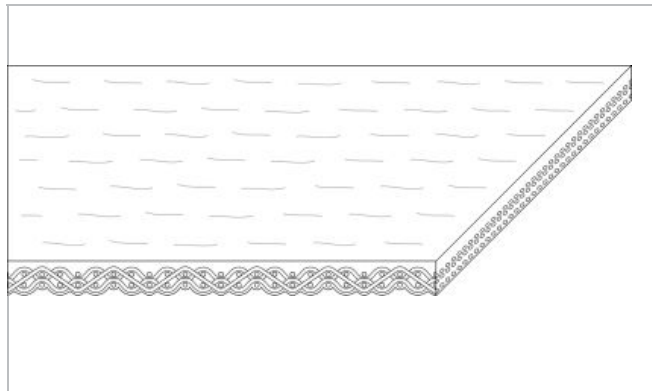
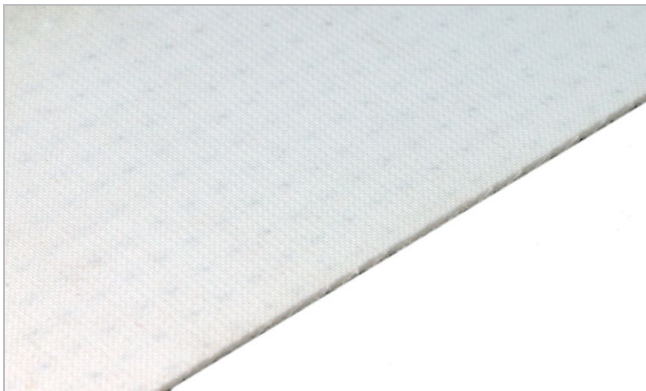
Biscuit and Crackers, Candy, Chewing gum, Chocolate, Plastics

### Applications

Food processing/conveying belt

### Special features

Excellent release, High temperature resistant, Wear resistant



Product Construction / Design	
Conveying side material	Silicone (SI)
Conveying side surface	Fine textile structure
Conveying side property	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
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal
Other conformance/approval	Complies with: BfR recommendation (German federal institute for risk assessment) , Japanese Food Regulation (MHLW Notification No. 370)

Technical data			
Thickness of belt	1.20	mm	0.05 inch
Mass of belt (belt weight)	1.2	kg/m <sup>2</sup>	0.246 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	6.5	N/mm	37 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	4.6	N/mm	26 lbf/in
Min. operating temperature admissible (continuous)	-30	°C	-22 °F
Max. operating temperature admissible (continuous)	150	°C	302 °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	1500	mm	59.06 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	4 0.157
Pulley diameter (minimum)	mm inch	15 0.59
Pulley diameter minimum with counter flection	mm inch	25 0.98
Admissible tensile force per unit of width	N/mm lbf/in	4.0 23
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	2.2 13
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
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.

### Chemical resistance

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

### Mode of use or conveyance

Declined, Horizontal, Inclined

### 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.

Group	Silicone Belts
Sub-Group	Wear Resistant Belts
Item number	H700001891

### Disclaimer

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