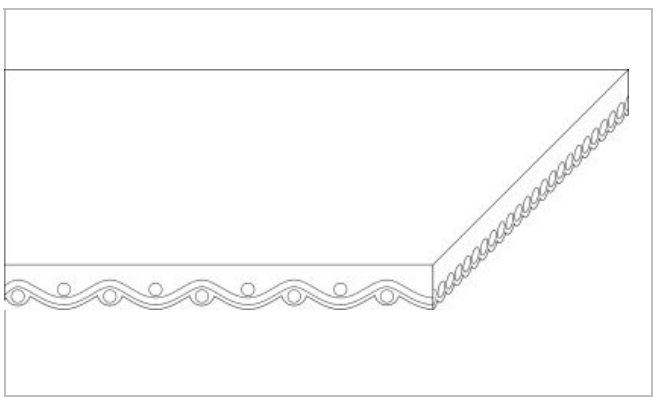
Food Belts
A125COS-W

Main industry segments
Fruit, Primary food packaging, Vegetables

Applications
Food processing/conveying belt

Special features
Oil resistant



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Smooth
Conveying side property	Adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	White

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, EU conformance	No
Other conformance/approval	Japanese Food Regulation (MHLW Notification No. 370)

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Technical data				
Thickness of belt	3.2	mm	*0.126*	*inch*
Mass of belt (belt weight)	4.1	kg/m²	*0.840*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	12	N/mm	*69*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	8.9	N/mm	*51*	*lbf/in*
Min. operating temperature admissible (continuous)	-23	°C	*-10*	*°F*
Max. operating temperature admissible (continuous)	82	°C	*180*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.35	-		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.40	-		
Coefficient of friction (pulley side / pickled steel slider bed)	0.40	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.30	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.35	-		
Seamless manufacturing width	1524	mm	*60.00*	*inch*
On request other seamless manufacturing width	1829	mm	*72*	*inch*

Joining related properties

Joining method	
Clipper #1	Master joining method for standard applications

Link to JDS:

Joining method		Clipper #1
Pulley diameter (minimum)	mm *inch*	79 *3.10*
Pulley diameter minimum with counter flection	mm *inch*	102 *4.00*
Admissible tensile force per unit of width	N/mm *lbf/in*	24 *137*
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		No
Low noise applications		No
Metal detector suitable		No

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
Declined, Horizontal, Inclined

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

Recommendation
Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:
"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

No danger and limitation

Group	PVC Belts General Purpose Belts
Item number	H250000637

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