

Food Belts

A120CRES-W



Main industry segments

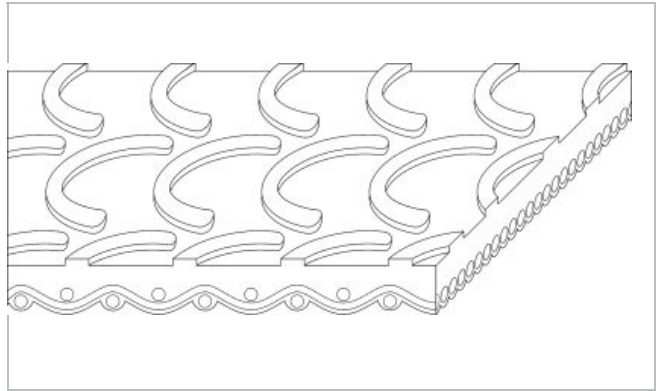
Frozen food, Fruit, Horticulture, Primary food packaging, Vegetables

Applications

Acceleration belt, Decline belt, Incline belt

Special features

Temperature variation resistant



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Crescent top structure
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	Impregnated fabric
Pulley side property	Medium-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, USDA recommendations	No use intended
Food suitability, EU conformance	No

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Technical data		
Thickness of belt	5.3 mm	0.21 inch
Mass of belt (belt weight)	3.9 kg/m ²	0.800 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	26 N/mm	150 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10 N/mm	58 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)	0.25 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.30 -	
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	1829 mm	72.00 inch

Joining related properties

Joining method	
Alligator #7	Master joining method for standard applications
Mechanical joining	Optional joining method
Clipper #2	Optional joining method

[Link to JDS:](#)

Joining method		Alligator #7	Mechanical joining	Clipper #2
Pulley diameter (minimum)	mm inch	89 3.50	89 3.50	89 3.50
Pulley diameter minimum with counter flection	mm inch	115 4.53	114 4.50	114 4.50
Admissible tensile force per unit of width	N/mm lbf/in	13 73		
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	6.8 39		
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes
Troughed installation suitable		Yes	No	No
Powerturns / curved installations		No	No	No
Knife-edge (nosebar) suitable		No	No	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, 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) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

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)

No danger and limitation

Group	PVC Belts
Sub-Group	Oil Resistant Belts
Item number	H250000700

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