

Food Belts

PM135RCOS-WH15



Due to differing governmental regulations HabaGUARD belts are only for use in the USA, Only for Habasit America

Main industry segments

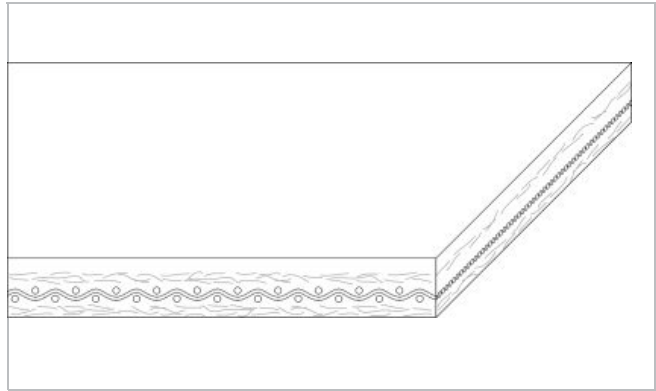
Convenience food, Frozen food, Poultry, Ready meals, Red meat, Vegetables

Applications

Infeed belt, Powerturn belt, Transfer belt

Special features

Dimensionally stable, Powerturn suitable, Wear resistant



Product Construction / Design	
Conveying side material	Rubber modified TPE
Conveying side surface	Smooth
Conveying side property	Medium-adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fleece
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, USDA recommendations	No use intended
Food suitability, EU conformance	No

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Technical data			
Thickness of belt	3.3 mm	0.13 inch	
Mass of belt (belt weight)	4.3 kg/m ²	0.880 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	24 N/mm	137 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)	-12 °C	10 °F	
Max. operating temperature admissible (continuous)	82 °C	180 °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	1524 mm	60.00 inch	
On request other seamless manufacturing width	1829 mm	72 inch	

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications
Clipper #2	Optional joining method

[Link to JDS:](#)

Joining method		Flexproof 10 x 80	Clipper #2
Pulley diameter (minimum)	mm inch	51 2.00	79 3.10
Pulley diameter minimum with counter flection	mm inch	79 3.10	79 3.10
Admissible tensile force per unit of width	N/mm lbf/in	11 63	19 110
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in		15 83
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		Yes	Yes
Powerturns / curved installations		Yes	No
Knife-edge (nosebar) suitable		No	No
Low noise applications		Yes	Yes
Metal detector suitable		Yes	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, 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)

HabaGUARD/HyGUARD belts are restricted for direct food contact applications to use at or below room temperature, HabaGUARD is designed to meet the national regulations of the USA. Compliance with regulations in other countries has to be ensured by the user, HyGUARD or HabaGUARD products are made for limited geographical use and therefore not for export, If High Frequency (HF) system is used check belt heating, Not suitable for wet operations combined with increased temperatures, Not suitable for wet operations combined with increased temperatures and with extreme greasy and oily conditions, This product does not protect users or others against food borne or disease-causing bacteria. Proper cleaning procedures must always be adhered to, 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	PVC Belts
Sub-Group	Nonwoven PVC Belts
Item number	H250000469

Disclaimer

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