

Food Belts

PM100RCOS-W

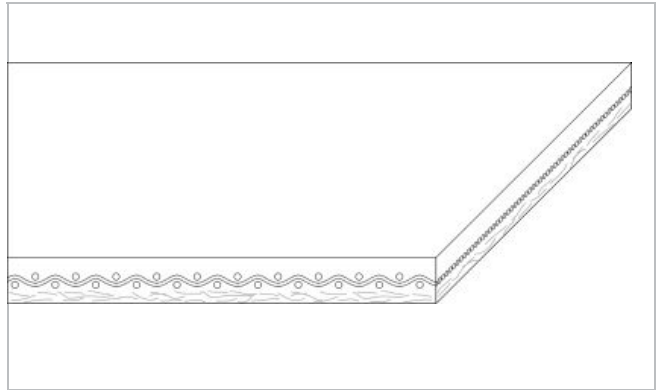


Main industry segments

Dairy (incl. cheese), Poultry, Red meat

Special features

Excellent tracking, Oil and fat resistant, Powerturn suitable



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

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Technical data		
Thickness of belt	2.9 mm	0.11 inch
Mass of belt (belt weight)	3.2 kg/m ²	0.660 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	22 N/mm	125 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.0 N/mm	40 lbf/in
Min. operating temperature admissible (continuous)	-12 °C	10 °F
Max. operating temperature admissible (continuous)	80 °C	176 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.25 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.20 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.25 -	
Seamless manufacturing width	1524 mm	60.00 inch

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications
Clipper #1	Optional joining method

[Link to JDS:](#)

Joining method		Flexproof 10 x 80	Clipper #1
Pulley diameter (minimum)	mm inch	41 1.60	51 2.00
Pulley diameter minimum with counter flection	mm inch	61 2.40	61 2.40
Admissible tensile force per unit of width	N/mm lbf/in	13 73	16 91
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	6.1 35	
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

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

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	Nonwoven PVC Belts
Item number	H250000413

Disclaimer

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