

# Food Belts PMRT-W



## Main industry segments

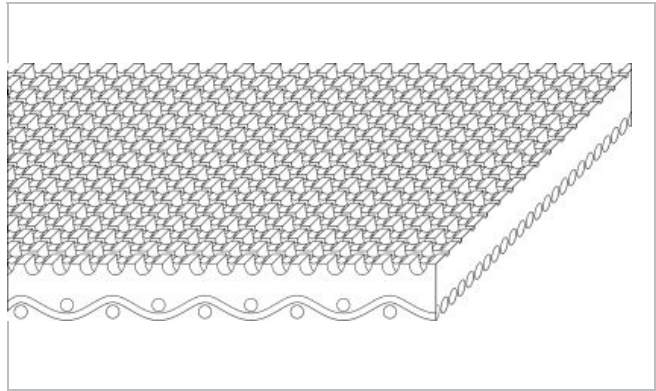
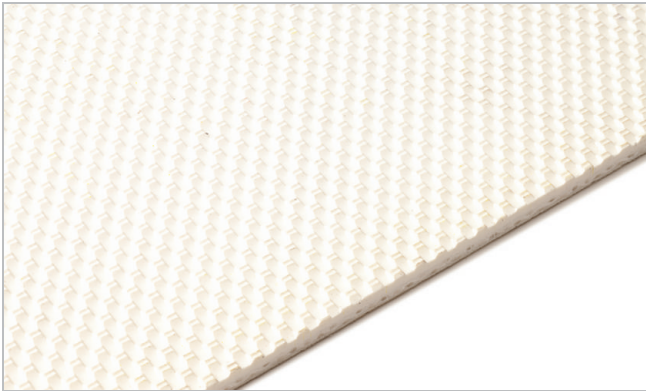
Distribution centers, General conveying

## Applications

Decline belt, Incline belt, Packaging belt

## Special features

Excellent tracking, Flexibility



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Tyler wire structure
Conveying side property	Adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET)
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 use intended

Technical data		
Thickness of belt	3.9 mm	0.15 inch
Mass of belt (belt weight)	4.1 kg/m <sup>2</sup>	0.840 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	23 N/mm	130 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	8.0 N/mm	46 lbf/in
Min. operating temperature admissible (continuous)	-12 °C	10 °F
Max. operating temperature admissible (continuous)	71 °C	160 °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)	0.25 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.30 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.20 -	
Seamless manufacturing width	1829 mm	72.00 inch

## Joining related properties

Joining method	
Hidden Flex 10 x 80	Master joining method for standard applications
Alligator #15	Optional joining method
Clipper #1	Optional joining method

[Link to JDS:](#)

Joining method		Hidden Flex 10 x 80	Alligator #15	Clipper #1
Pulley diameter (minimum)	mm inch	51 2.00	51 2.00	51 2.00
Pulley diameter minimum with counter flection	mm inch	64 2.50	64 2.50	64 2.50
Admissible tensile force per unit of width	N/mm lbf/in	19 18		
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	3.0 17		
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes
Troughed installation suitable		Yes	No	Yes
Powerturns / curved installations		Yes	No	No
Knife-edge (nosebar) suitable		No	No	No
Metal detector suitable		Yes	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.

## 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

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	H250000434

## Disclaimer

### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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