

Heavy Conveyor Belts TMIPH633EMB



Main industry segments

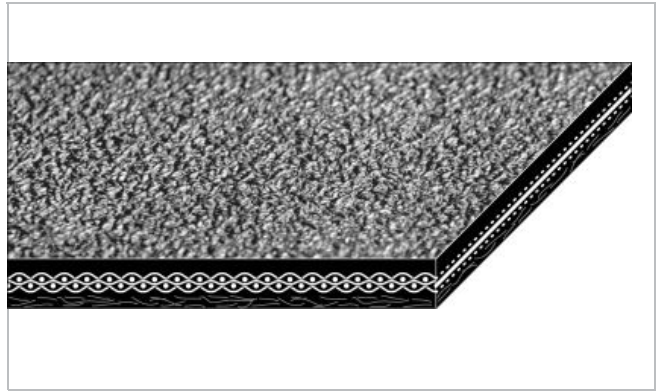
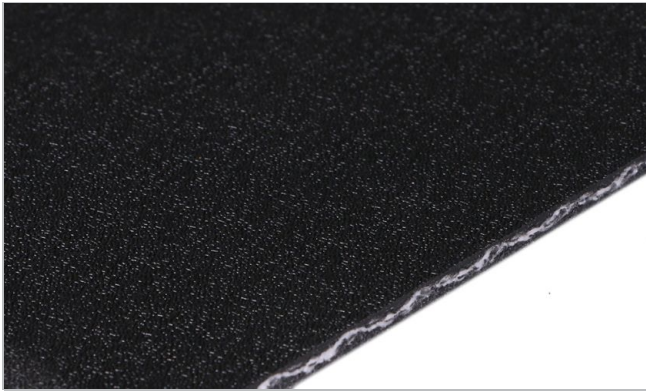
Distribution centers, Parcel distribution / Overnight carrier

Applications

Powerturn belt

Special features

Bi-directional suitable, Cut resistant, Edges wear resistant, Excellent tracking, Flame retardant, Flexibility in all directions, Good lace retention, Impact resistant, Powerturn suitable, Spiral lift suitable



Product Construction / Design

Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Grip structure
Conveying side property	Adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET) fleece
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics

Antistatically equipped	No
Flammability	Flame retardant, Flame retardant to ASTM D-378
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

United parcel service approved for powerturn applications on Transnorm, Portec, Siemens and PSC Floturn equipment

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Technical data		
Thickness of belt	3.8 mm	0.15 inch
Mass of belt (belt weight)	4.7 kg/m ²	0.960 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)	7.4 N/mm	42 lbf/in
Min. operating temperature admissible (continuous)	-23 °C	-10 °F
Max. operating temperature admissible (continuous)	91 °C	195 °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)	0.25 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.20 -	
Seamless manufacturing width	1829 mm	72.00 inch
On request other seamless manufacturing width	1524 mm	60 inch

Joining related properties

Joining method	
Thermofix	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Thermofix
Pulley diameter (minimum)	mm inch	51 2.00
Pulley diameter minimum with counter flection	mm inch	71 2.80
Admissible tensile force per unit of width	N/mm lbf/in	18 103
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		Yes
Knife-edge (nosebar) suitable		No
Low noise applications		Yes
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

Carrying roller, Curved, Horizontal, Slider bed

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) ~ 0.3%, 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)

Group	Nonwoven Belts
Sub-Group	Flame Retardant Belts
Item number	H250000476

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