

Heavy Conveyor Belts TMIPH533EMB



Main industry segments

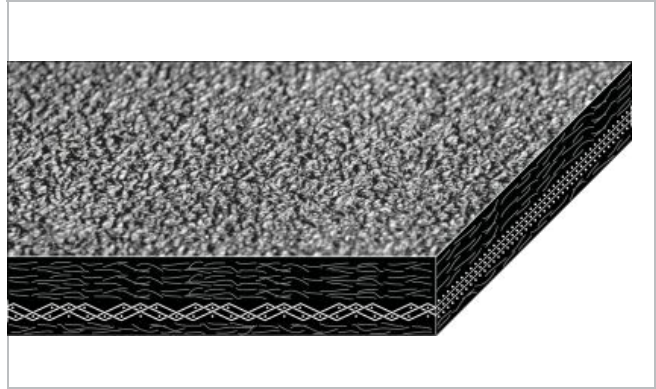
Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications

Acceleration belt, Check-in belt, Induction belt, Metering/singulation belt

Special features

Excellent tracking, Low noise applications suitable, No delamination, Non fraying, Powerturn suitable



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Grip structure
Conveying side property	Medium-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

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Technical data		
Thickness of belt	3.6 mm	0.14 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)	9.4 N/mm	54 lbf/in
Min. operating temperature admissible (continuous)	-23 °C	-10 °F
Max. operating temperature admissible (continuous)	80 °C	176 °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	
Clipper #2HT	Master joining method for standard applications
Thermofix	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #2HT	Thermofix
Pulley diameter (minimum)	mm inch	51 2.00	
Pulley diameter minimum with counter flection	mm inch	51 2.00	76 3.00
Admissible tensile force per unit of width	N/mm lbf/in	22 128	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	14 80	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	
Powerturns / curved installations		Yes	
Knife-edge (nosebar) suitable		No	
Low noise applications		Yes	Yes
Metal detector suitable		No	No

Coefficient of friction against cardboard (conveying side): 0.75

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, Metering

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)

No danger and limitation

Group	Nonwoven Belts
Sub-Group	Flame Retardant Belts
Item number	H250000308

Disclaimer

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