

Heavy Conveyor Belts TMPH90MFOXB



Main industry segments

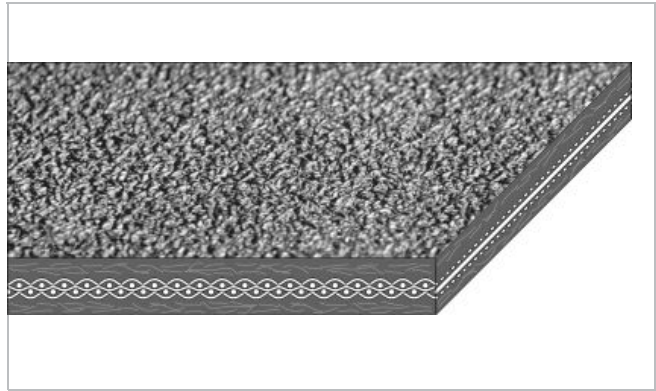
Distribution centers, General conveying, Parcel distribution / Overnight carrier

Applications

Accumulation belt, Loading/Unloading belt

Special features

Abrasion resistant, Excellent tracking, Flame retardant, Good lace retention, Impact resistant, Low friction running side, No delamination, Wear resistant, Tear resistant



Product Construction / Design

Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Embossed cover
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Thermoplastic Alloy
Pulley side surface	Impregnated fleece
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics

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

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Technical data		
Thickness of belt	3.9 mm	0.16 inch
Mass of belt (belt weight)	4.6 kg/m ²	0.950 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	36 N/mm	205 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10.0 N/mm	57 lbf/in
Min. operating temperature admissible (continuous)	-23 °C	-10 °F
Max. operating temperature admissible (continuous)	107 °C	225 °F
Coefficient of friction (pulley side / steel driving pulley)	0.10 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.15 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.20 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	1651 mm	65.00 inch

Joining related properties

Joining method	
Mechanical joining	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Mechanical joining
Pulley diameter (minimum)	mm inch	75 2.95
Pulley diameter minimum with counter flection	mm inch	75 2.95
Admissible tensile force per unit of width	N/mm lbf/in	11 63
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
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

Accumulation, Diverting, Horizontal, Lateral feeding, Side loading

Recommendation

Group	Nonwoven Belts
Sub-Group	Flame Retardant Belts
Item number	H250001418

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