

Heavy Conveyor Belts TMPH90LFOXB



Main industry segments

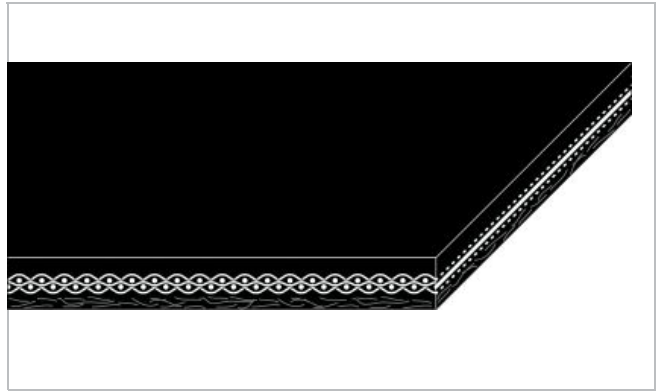
Airport, Distribution centers, General conveying, Parcel distribution / Overnight carrier

Applications

Accumulation belt, Loading/Unloading belt

Special features

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



Product Construction / Design

Conveying side material	Thermoplastic Alloy
Conveying side surface	Embossed cover
Conveying side property	Non-adhesive
Conveying side color	Anthracite
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
Food suitability, EU conformance	No

Heavy Conveyor Belts

TMPH90LFOX B



Technical data		
Thickness of belt	3.6 mm	0.14 inch
Mass of belt (belt weight)	3.9 kg/m ²	0.800 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	30 N/mm	170 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	H250000477

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