

Heavy Conveyor Belts

UMPH140BWPT



Main industry segments

Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications

Induction belt, Powerturn belt

Special features

Anti-scuff cover, Antistatic, Cut resistant, Flame retardant, Flexibility in all directions, Good lace retention, High abrasion resistance, High tensile strength, Impact resistant, Low friction running side, Low noise applications suitable, No delamination, Powerturn suitable, Static conductive, Edge sealable



Product Construction / Design	
Conveying side material	Polyurethane cross-linked (PUR)
Conveying side surface	Embossed cover
Conveying side property	Medium-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fleece
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
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

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Technical data		
Thickness of belt	2.8 mm	0.11 inch
Mass of belt (belt weight)	2.4 kg/m ²	0.490 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	22 N/mm	125 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)	80 °C	176 °F
Coefficient of friction (pulley side / steel driving pulley)	0.30 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.40 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.35 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.30 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.25 -	
Seamless manufacturing width	2000 mm	78.74 inch

Joining related properties

Joining method	
Thermofix	Optional joining method - not applicable for direct food contact applications acc. to EU and FDA regulations

[Link to JDS:](#)

Joining method		Thermofix
Pulley diameter (minimum)	mm inch	25 1.00
Pulley diameter minimum with counter flection	mm inch	50 1.97
Admissible tensile force per unit of width	N/mm lbf/in	6.5 37
Slider bed suitable		Yes
Carrying rollers 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

Curved, 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%

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	H250000490

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