

Heavy Conveyor Belts

UMS140HMSD-B



Not for Europe Market

Main industry segments

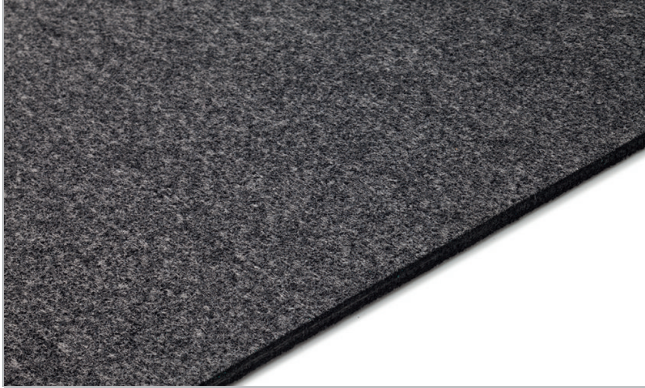
Distribution centers, Parcel distribution / Overnight carrier

Applications

Live roller drive belt, Packaging belt

Special features

Antistatic, Excellent tracking



Product Construction / Design

Conveying side material	Polyurethane cross-linked (PUR)
Conveying side surface	Impregnated fleece
Conveying side property	Adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET) scrim
Pulley side surface	Buffed finish
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics

Antistatically equipped	Yes
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
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	3.9 mm	0.15 inch
Mass of belt (belt weight)	2.4 kg/m ²	0.500 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	21 N/mm	120 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.5 N/mm	43 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)	0.15 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.25 -	
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 #2 SP	Master joining method for standard applications
Clipper #1-A	Optional joining method
Flexproof	Optional joining method
Clipper #1	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #2 SP	Clipper #1-A	Flexproof	Clipper #1
Pulley diameter (minimum)	mm inch	51 2.00	51 2.00	51 2.00	51 2.00
Pulley diameter minimum with counter flection	mm inch	64 2.50	64 2.50	64 2.50	64 2.50
Admissible tensile force per unit of width	N/mm lbf/in	23 130			
Slider bed suitable		Yes	Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes	Yes
Troughed installation suitable		No	No	No	No
Powerturns / curved installations		Yes	Yes	Yes	Yes
Knife-edge (nosebar) suitable		No	No	No	No
Metal detector suitable		No	No	No	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

Horizontal, Live roller drive

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! 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	Rubber Saturated Ulti-Mate Belts
Item number	H950040090

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