Heavy Conveyor Belts UM140HMBBS-B



Main industry segments

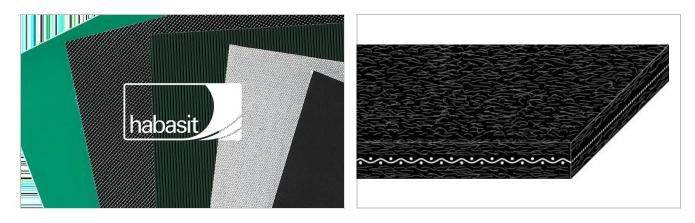
Airport, Distribution centers, Metal sheets and components, Parcel distribution / Overnight carrier

Applications

Blanking belt, Live roller drive belt, Outfeed belt, Powerturn belt, Transfer belt, Loading/Unloading belt

Special features

Abrasion resistant on both sides, Antistatic, Chemical resistant, Cut resistant, Dimensionally stable, Edges wear resistant, Excellent tracking, Flexibility in all directions, Good lace retention, High strength, Humidity resistant, Impact resistant, Low friction conveying side, Low friction running side, Low noise applications suitable, No delamination, Non fraying, Non-marking, Oil resistant, Ozone resistant, Reverse bending, Static conductive



Product Construction / Design			
Conveying side material	Polyester (PET) fleece		
Conveying side surface	Buffed finish		
Conveying side property	Non-adhesive		
Conveying side color	Black		
Traction layer (material)	Polyester (PET) scrim		
Number of Fabrics	1		
Pulley side material	Polyester (PET) fleece		
Pulley side surface	Buffed finish		
Pulley side property	Non-adhesive		
Pulley side color	Black		

Product characteristics				
Antistatically equipped	Yes - fulfills EN 12882 / Categorie 1			
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	3.7	mm	0.15	inch		
Mass of belt (belt weight)	2.2	kg/m²	0.450	lb/sqft		
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	20	N/mm	115	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)	0.25	-				
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)	0.25	-				
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
Flexproof 10 x 80	Optional joining method

Link to JDS:

Joining method		Clipper #2 SP	Flexproof 10 x 80
Pulley diameter (minimum)	mm	50	51
	inch	1.97	2.00
Pulley diameter minimum with	mm	64	51
counter flection	inch	2.50	2.00
Admissible tensile force per unit	N/mm	6.3	24
of width	lbf/in	36	137
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	Yes
Powerturns / curved installations		No	Yes
Knife-edge (nosebar) suitable		No	No
Metal detector suitable		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

Accumulation, Curved, Discharge, Diverting, Horizontal, Live roller drive, Side loading

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"

Group Sub-Group Item number Nonwoven Belts Rubber Saturated Ulti-Mate Belts H250000532

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