

Light Conveyor Belts

NHM-11ELBV-E3I1



Main industry segments

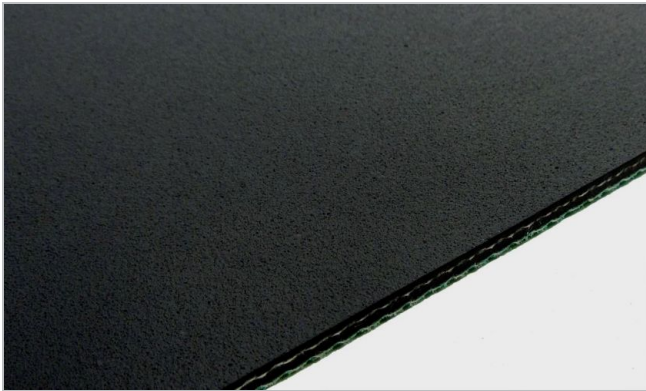
Airport, Distribution centers

Applications

Loading/Unloading belt

Special features

Antistatic, Energy saving, Flame retardant, Impact resistant, Low noise applications suitable



Product Construction / Design

Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Super matt finish
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Light green

Product characteristics

Antistatically equipped	Yes
Adhesive free joining method	Yes
Flammability	Flame retardant to ASTM D-378
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

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Technical data			
Thickness of belt	3.3 mm	0.13 inch	
Mass of belt (belt weight)	4.0 kg/m ²	0.819 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	13 N/mm	74 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)	-15 °C	5 °F	
Max. operating temperature admissible (continuous)	70 °C	158 °F	
Coefficient of friction (pulley side / steel driving pulley)	0.10 -		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.25 -		
Coefficient of friction (pulley side / pickled steel slider bed)	0.15 -		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15 -		
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -		
Seamless manufacturing width	3000 mm	118.11 inch	

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	50 1.97
Pulley diameter minimum with counter flexion	mm inch	60 2.36
Admissible tensile force per unit of width	N/mm lbf/in	19 108
Admissible tensile force per unit of width at max. operating temperature	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		Yes

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>

REACH

This product contains more than 0.1% of the following substance(s) of very high concern (SVHC) and is (are) included in the Candidate List. Further information is available from your Habasit representation.

Substance(s); Triphenyl phosphate (TPP)

Mode of use or conveyance

Horizontal

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%

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)

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	PVC Belts
Sub-Group	Flame Retardant Belts
Item number	H950028937

Disclaimer

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