Light Conveyor Belts NHM-10ELBV-E3

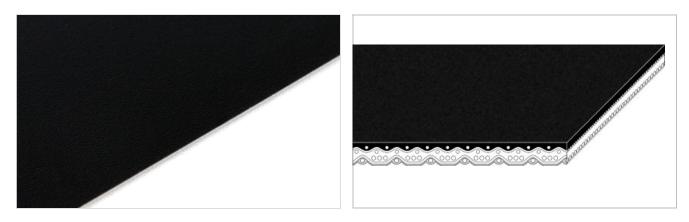


Applications

Heavy-load conveyor belts, Sorting belt

Special features

Energy saving



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	Tested according to UL 94HB (USA) requirement; HB= Horizontal Burning	
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	2.1	mm	0.08	inch
Mass of belt (belt weight)	2.5	kg/m²	0.512	lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	11	N/mm	63	lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.0	N/mm	40	lbf/in
Min. operating temperature admissible (continuous)	0	°C	32	°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

Flexproof 10 x 80	Master joining method for standard applications			
ink to JDS:				
Joining method		Flexproof 10 x 80		
Pulley diameter (minimum)	mm <i>inch</i>	30 <i>1.18</i>		
Pulley diameter minimum with counter flection	mm <i>inch</i>	30 <i>1.18</i>		
Admissible tensile force per unit of width	N/mm <i>Ibf/in</i>	18 <i>103</i>		
Admissible tensile force per unit of width at max. operating temperature	N/mm Ibf/in	17 97		
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.

Light Conveyor Belts NHM-10FL BV-F3



Chemical resistance

Link to 'Chemical resistance information': https://rims.habasit.com

Mode of use or conveyance

Accumulation, Diverting, 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%

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. Check Link for Storage requirements:

"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 Sub-Group Item number

PVC Belts Energy Saving Belts H100066193

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