Light Conveyor Belts NNT-11ECDV



Main industry segments Letter sorting, Marble and stone

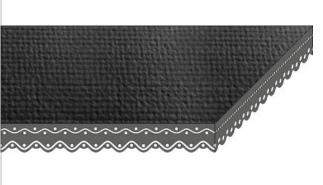
Applications

Induction belt, Powerturn belt, Spiral belt

Special features

Cut resistant, Powerturn suitable





Product Construction / Design		
Conveying side material	Polyvinylchloride (PVC)	
Conveying side surface	Impregnated fabric	
Conveying side property	Non-adhesive	
Conveying side color	Dark green	
Traction layer (material)	Polyester (PET)	
Number of Fabrics	2	
Pulley side material	Polyvinylchloride (PVC)	
Pulley side surface	Impregnated fabric	
Pulley side property	Non-adhesive	
Pulley side color	Dark green	

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	2.4	mm	0.09	inch
Mass of belt (belt weight)	2.6	kg/m²	0.533	lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	15	N/mm	86	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)	-10	°C	14	°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)	0.40	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.45	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.40	-		
Seamless manufacturing width	2750	mm	108.27	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	80
	inch	3.15
Pulley diameter minimum with	mm	80
counter flection	inch	3.15
Admissible tensile force per unit of	N/mm	19
width	lbf/in	108
Admissible tensile force per unit of	N/mm	10
width at max. operating	lbf/in	57
temperature		
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
Powerturns / curved installations		Yes
Knife-edge (nosebar) 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.

Light Conveyor Belts NNT-11FCDV



Chemical resistance

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

Mode of use or conveyance

Accumulation, Curved, 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 **PVC Belts**

General Purpose Conveyor Belts Sub-Group

Item number H100063015

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