

Light Conveyor Belts

NHM-10EKBV 11



Main industry segments

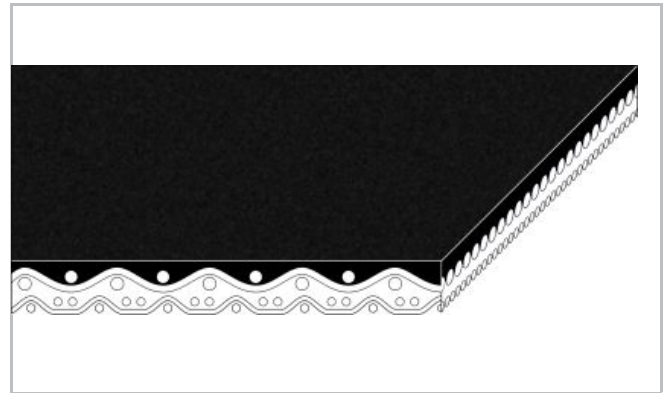
Distribution centers, General conveying

Applications

Check-out belt, Loading/Unloading belt, Sorting belt, Transfer belt

Special features

Abrasion resistant, Anti-glare, Antistatic, Low noise applications suitable, Metal detection units 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 | Fabric |
| Pulley side property | Non-adhesive |
| Pulley side color | White |

| Product characteristics | |
|----------------------------------------|---------------------------------------------------------------|
| Antistatically equipped | Yes |
| Adhesive free joining method | Yes |
| Flammability | Classified according to UL 94HB (USA); 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/m ² | 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) | -10 °C | 14 °F |
| Max. operating temperature admissible (continuous) | 70 °C | 158 °F |
| Coefficient of friction (running side / steel driving pulley) | 0.15 - | |
| Coefficient of friction (running side / driving pulley with friction cover) | 0.35 - | |
| Coefficient of friction (running side / pickled steel slider bed) | 0.25 - | |
| Coefficient of friction (running side / phenolic resin slider bed) | 0.20 - | |
| Coefficient of friction (running side / stainless steel slider bed) | 0.15 - | |
| Seamless manufacturing width | 3000 mm | 118 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 | 40 1.57 |
| Pulley diameter minimum with counter flection | mm inch | 40 1.57 |
| Admissible tensile force per unit of width | N/mm lbf/in | 17 97 |
| 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 |
| Power turns / curved installations | | No |
| 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).

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Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

Mode of use or conveyance

Accumulation, 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) $\sim 0.3\%$, Install the slack belt and tension until running perfectly under the full belt load

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

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 | General Purpose Conveyor Belts |
| Item number | H100066137 |

Disclaimer

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