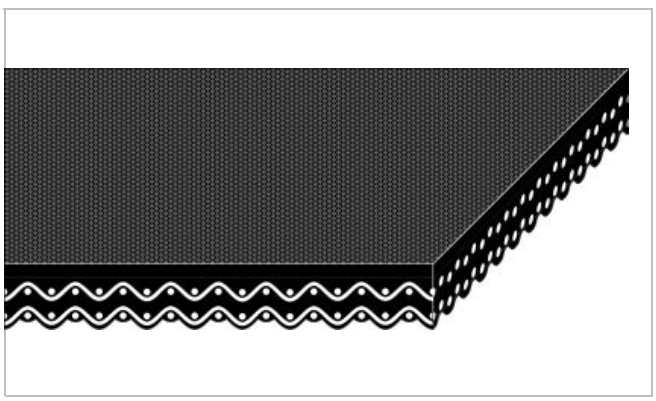
# Processing Belts
# EAT-8P

**Main industry segments**
Cardboard converting, Electronics, Paper manufacturing and processing, Paper printing and finishing, Secondary packaging

**Applications**
Paper handling belt, Processing belt

**Special features**
Abrasion resistant, Constant coefficient of friction, Static conductive, Robustness



| Product Construction / Design | |
|---|---|
| Conveying side material | Acrylonitrile-Butadiene-Rubber (NBR) |
| Conveying side surface | Coarse textile structure |
| Conveying side property | Adhesive |
| Conveying side color | Black |
| Traction layer (material) | Polyamide (PA) |
| Number of Fabrics | 2 |
| Pulley side material | Polyurethane cross-linked (PUR) |
| Pulley side surface | Impregnated fabric |
| Pulley side property | Non-adhesive |
| Pulley side color | Black |

| Product characteristics | |
|---|---|
| Antistatically equipped | Yes - fulfills EN 12882 / Categorie 1 |
| Adhesive free joining method | No |
| Flammability | No specific flammability prevention property |
| Food suitability, FDA conformance | No |
| Food suitability, EU conformance | No |

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| Technical data | | | | |
|---|---|---|---|---|
| Thickness of belt | 2.0 | mm | *0.079* | *inch* |
| Mass of belt (belt weight) | 2.1 | kg/m² | *0.430* | *lb/sqft* |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 3.8 | N/mm | *22* | *lbf/in* |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 1.7 | N/mm | *10* | *lbf/in* |
| Min. operating temperature admissible (continuous) | 0 | °C | *32* | *°F* |
| Max. operating temperature admissible (continuous) | 100 | °C | *212* | *°F* |
| Coefficient of friction (pulley side / steel driving pulley) | 0.15 | - | | |
| Coefficient of friction (pulley side / driving pulley with friction cover) | 0.35 | - | | |
| Coefficient of friction (pulley side / pickled steel slider bed) | 0.20 | - | | |
| Coefficient of friction (pulley side / phenolic resin slider bed) | 0.20 | - | | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.15 | - | | |
| Seamless manufacturing width | 2400 | mm | *94.49* | *inch* |

## Joining related properties

| Joining method | |
|---|---|
| Thermofix 90° | Master joining method for standard applications |

Link to JDS:

| Joining method | | Thermofix 90° |
|---|---|---|
| Pulley diameter (minimum) | mm<br>*inch* | 25<br>*0.79* |
| Pulley diameter minimum with counter flection | mm<br>*inch* | 40<br>*0.98* |
| Admissible tensile force per unit of width | N/mm<br>*lbf/in* | 8.5<br>*49* |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>*lbf/in* | 8.5<br>*49* |
| Slider bed suitable | | Yes |
| Carrying rollers suitable | | Yes |
| Troughed installation suitable | | No |
| Powerturns / curved installations | | No |
| Knife-edge (nosebar) suitable | | No |
| Low noise applications | | No |
| 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.*

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

**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) ~ 0.5%, 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"

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 | Elastomer Covered Conveying Belts |
| | - |
| Item number | H010100299 |

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