

# Processing Belts

## ENU-20ELBD



### Main industry segments

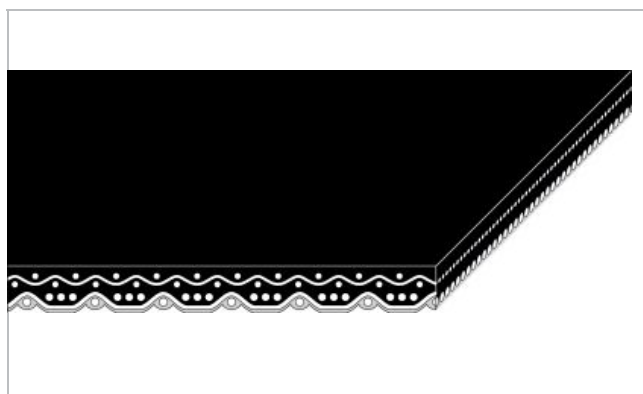
Textile printing

### Applications

Printing blanket

### Special features

High precision, Low noise applications suitable, Solvent resistant



| Product Construction / Design |                                  |
|-------------------------------|----------------------------------|
| Conveying side material       | Thermoplastic polyurethane (TPU) |
| Conveying side surface        | Smooth                           |
| 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             | Gray                             |

| Product characteristics           |                                              |
|-----------------------------------|----------------------------------------------|
| Antistatically equipped           | Yes                                          |
| Adhesive free joining method      | Ja                                           |
| Flammability                      | No specific flammability prevention property |
| Food suitability, FDA conformance | No                                           |
| Food suitability, EU conformance  | No                                           |

| Technical data                                                                                                              |                       |               |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|
| Thickness of belt                                                                                                           | 2.6 mm                | 0.10 tommer   |
| Position of the neutral phase (above the running side)                                                                      | 1.30 mm               | 0.051 tommer  |
| Mass of belt (belt weight)                                                                                                  | 3.0 kg/m <sup>2</sup> | 0.614 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 18 N/mm               | 103 lbf/in    |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 12 N/mm               | 69 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)                                                                | 0.15 -                |               |
| Coefficient of friction (pulley side / driving pulley with friction cover)                                                  | 0.35 -                |               |
| 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                                                                                                | 4000 mm               | 157.48 tommer |

### 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<br>tommer   | 100<br>3.94       |
| Pulley diameter minimum with counter flection                            | mm<br>tommer   | 100<br>3.94       |
| Admissible tensile force per unit of width                               | N/mm<br>lbf/in | 30<br>171         |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>lbf/in | 30<br>171         |
| 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                                                  |                | No                |

Maximum operating temperature intermittent: 90 °C / 194 °F (intermittent = max. 60 sec.)

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 til informasjon om kemisk resistens <https://rims.habasit.com>

### Mode of use or conveyance

Horizontal

### Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

### Recommendation

Follow the Installing and Maintenance Instructions which are supplied with each product delivery, Install the slack belt and tension until running perfectly under the full belt load, Maximum initial elongation: 0.8%!, Recommended initial elongation 0.3 - 0.5%

For details consult 'Printing Blanket Handling and Maintenance Instructions' available in the Habasit download center or contact Habasit.

["https://www.habasit.com/en/Download-center"](https://www.habasit.com/en/Download-center)

Printing blankets should be stored in their original packaging, protected from sunlight and other light sources, in a cool and dry environment. To maintain optimal quality, the storage period should be kept as short as possible under these conditions. For further information, please contact your Habasit representative.

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, Use cleaning agent as prescribed by the machine or cleaning agent manufacturer

|            |                           |
|------------|---------------------------|
| Group      | Printing Blankets         |
| Sub-Group  | Premium Printing Blankets |
| Del nummer | H010102371                |

### Ansvarsfraskrivelse

#### Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)

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