

# Processing Belts

## ENB-16ERCO-C1



### Main industry segments

Wood panel and boards

### Applications

Forming line/spreading belt

### Special features

Excellent release, Hydrolysis resistant



| Product Construction / Design |                                 |
|-------------------------------|---------------------------------|
| Conveying side material       | Thermoplastic polyolefine (TPO) |
| Conveying side surface        | Matt                            |
| Conveying side property       | Non-adhesive                    |
| Conveying side color          | Cobalt blue                     |
| 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             | White                           |

| Product characteristics           |                                                        |
|-----------------------------------|--------------------------------------------------------|
| Antistatically equipped           | Yes                                                    |
| Adhesive free joining method      | Yes                                                    |
| Flammability                      | No specific flammability prevention property           |
| Food suitability, FDA conformance | Yes - Check Document of Compliance (DoC) in our Portal |
| Food suitability, EU conformance  | Yes - Check Document of Compliance (DoC) in our Portal |

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| Technical data                                                                                                              |                       |        |         |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|---------|
| Thickness of belt                                                                                                           | 1.7 mm                | 0.067  | inch    |
| Mass of belt (belt weight)                                                                                                  | 1.7 kg/m <sup>2</sup> | 0.348  | 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) | 10 N/mm               | 57     | lbf/in  |
| Min. operating temperature admissible (continuous)                                                                          | -20 °C                | -4     | °F      |
| Max. operating temperature admissible (continuous)                                                                          | 70 °C                 | 158    | °F      |
| Coefficient of friction (pulley side / steel driving pulley)                                                                | 0.20 -                |        |         |
| 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)                                                           | 0.15 -                |        |         |
| Coefficient of friction (pulley side / stainless steel slider bed)                                                          | 0.15 -                |        |         |
| Seamless manufacturing width                                                                                                | 4000 mm               | 157.48 | inch    |

### Joining related properties

| Joining method    |                                                 |
|-------------------|-------------------------------------------------|
| Flexproof 10 x 80 | Master joining method for standard applications |

[Link to JDS:](#)

| Joining method                                                           |                | Flexproof<br>10 x 80 |
|--------------------------------------------------------------------------|----------------|----------------------|
| Pulley diameter (minimum)                                                | mm<br>inch     | 24<br>0.94           |
| Admissible tensile force per unit of width                               | N/mm<br>lbf/in | 19<br>108            |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>lbf/in | 10<br>57             |
| Slider bed suitable                                                      |                | Yes                  |
| Carrying rollers suitable                                                |                | Yes                  |
| Troughed installation suitable                                           |                | No                   |
| Powerturns / curved installations                                        |                | No                   |
| Knife edge roller suitable                                               |                | No                   |
| Low noise applications                                                   |                | No                   |
| 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.

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### Chemical resistance

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

### Mode of use or conveyance

Horizontal, Inclined

### Calculations

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

### Recommendation

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%

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"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

High frequency system HF: Check belt heating! If belt heats up sawdust or fibres will stick, Not suitable for wet operations combined with increased temperatures and with extreme greasy and oily conditions

|             |                       |
|-------------|-----------------------|
| Group       | Wood Processing Belts |
|             | Forming Belts         |
| Item number | H950033776            |

### Disclaimer

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