

Processing Belts ENI-32A



Main industry segments

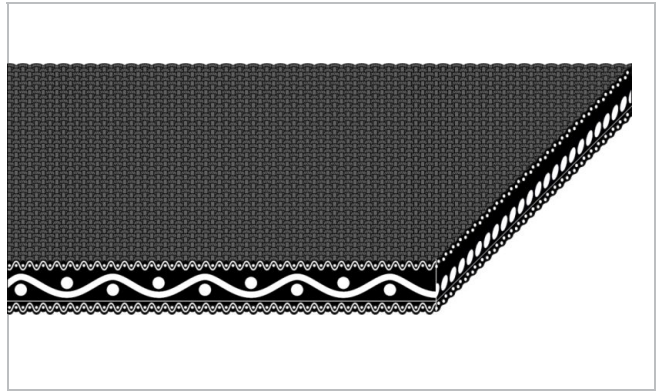
Wood panel and boards

Applications

Prepress belt

Special features

High modulus of elasticity, Hydrolysis resistant, Pressure resistant



| Product Construction / Design | |
|-------------------------------|--------------------|
| Conveying side material | Polyester (PET) |
| Conveying side surface | Impregnated fabric |
| Conveying side property | Non-adhesive |
| Conveying side color | Black |
| Traction layer (material) | Aramid fabric |
| Number of Fabrics | 3 |
| Pulley side material | Polyester (PET) |
| Pulley side surface | Impregnated fabric |
| Pulley side property | Non-adhesive |
| Pulley side color | Black |

| Product characteristics | |
|-----------------------------------|--|
| Antistatically equipped | Yes |
| Adhesive free joining method | Yes |
| 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 | 3.7 mm | 0.146 inch |
| Mass of belt (belt weight) | 4.0 kg/m ² | 0.819 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 49 N/mm | 280 lbf/in |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 32 N/mm | 183 lbf/in |
| Min. operating temperature admissible (continuous) | -20 °C | -4 °F |
| Max. operating temperature admissible (continuous) | 50 °C | 122 °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) | 0.15 - | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.20 - | |
| Seamless manufacturing width | 3800 mm | 149.61 inch |

Joining related properties

| Joining method | |
|--------------------|---|
| Flexproof 10 x 120 | Master joining method for standard applications |

[Link to JDS:](#)

| Joining method | | Flexproof 10 x 120 |
|--|----------------|-----------------------|
| Pulley diameter (minimum) | mm inch | 250 9.84 |
| Pulley diameter minimum with counter flection | mm inch | 250 9.84 |
| Admissible tensile force per unit of width | N/mm lbf/in | 72 411 |
| Admissible tensile force per unit of width at max. operating temperature | N/mm lbf/in | 64 365 |
| 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.

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Chemical resistance

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

Mode of use or conveyance

Horizontal, Inclined

Calculations

Computer assisted - only at Habasit Reinach for prepress applications. A special form to register data is available at your local Habasit partner.

Recommendation

Do not force belt over edges and use crow bars (no striking and buckling), Do not force when handling during installation, Maximum initial elongation: 0.7%!, 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)

| | |
|-------------|-----------------------|
| Group | Wood Processing Belts |
| Sub-Group | Pre-Press Belts |
| Item number | H950033954 |

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