

Food Belts

T05(JC) AS BLUE 23



Main industry segments

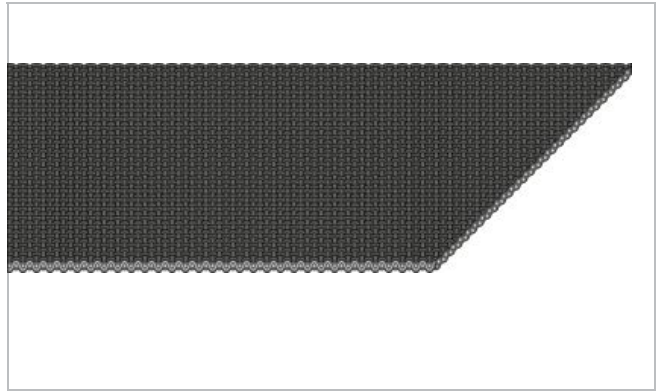
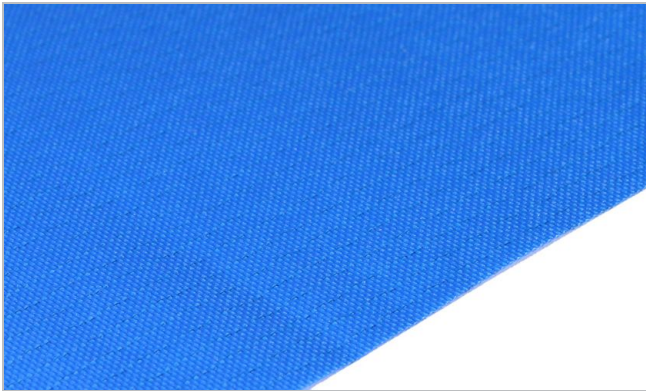
Biscuit and Crackers, Chocolate, Convenience food, Poultry, Primary food packaging, Red meat

Applications

Weighing belt

Special features

High transversal rigidity, Low belt weight, Smooth and vibration-free running



| Product Construction / Design | |
|-------------------------------|--------------------|
| Conveying side material | Polyester (PET) |
| Conveying side surface | Impregnated fabric |
| Conveying side property | Non-adhesive |
| Conveying side color | Blue |
| Traction layer (material) | Polyester (PET) |
| Number of Fabrics | 1 |
| Pulley side material | Polyester (PET) |
| Pulley side surface | Impregnated fabric |
| Pulley side property | Non-adhesive |
| Pulley side color | Blue |

| 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, USDA recommendations | No use intended |
| Food suitability, EU conformance | Yes - Check Document of Compliance (DoC) in our Portal |

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| Technical data | | |
|---|---------------------------|------------------------------|
| Thickness of belt | 0.45 mm | 0.02 inch |
| Mass of belt (belt weight) | 0.30 kg/m ² | 0.061 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 3.0 N/mm | 17 lbf/in |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 2.2 N/mm | 13 lbf/in |
| Min. operating temperature admissible (continuous) | -30 °C | -22 °F |
| Max. operating temperature admissible (continuous) | 80 °C | 176 °F |
| Coefficient of friction (pulley side / steel driving pulley) | 0.10 - | |
| 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) | 0.10 - | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.10 - | |
| Thermal Resistance | 0.011 m ² *K/W | 0.002 Fft ² h/Btu |
| Thermal Conductivity | 0.041 W/m*K | 0.007 W/ft*F |
| Seamless manufacturing width | 1500 mm | 59.06 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 |
|--|----------------|-------------------|
| Knife-edge (nosebar) radius (minimum) | mm inch | 2 0.079 |
| Pulley diameter (minimum) | mm inch | 15 0.59 |
| Pulley diameter minimum with counter flection | mm inch | 15 0.59 |
| Admissible tensile force per unit of width | N/mm lbf/in | 5.5 31 |
| Admissible tensile force per unit of width at max. operating temperature | N/mm lbf/in | 3.6 21 |
| Slider bed suitable | | Yes |
| Carrying rollers suitable | | Yes |
| Troughed installation suitable | | Yes |
| Powerturns / curved installations | | 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

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

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)

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 | Fabric Surface Belts |
| Sub-Group | Impregnated Belts |
| Item number | H950038447 |

Disclaimer

Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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