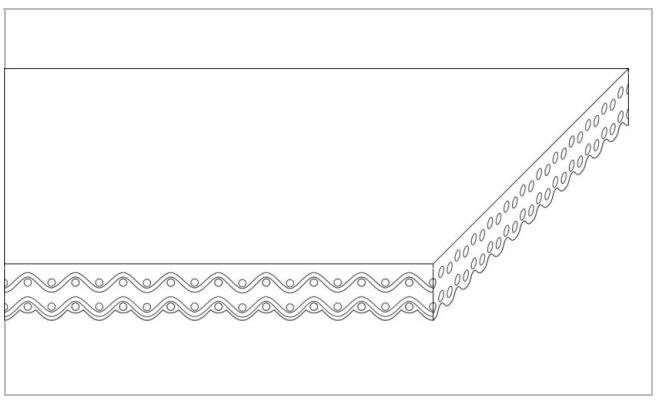
# Food Belts
# BMB-4EFWT-Z1

**Main industry segments**
Baked snacks, Biscuit and Crackers, Bread, Chocolate, Convenience food, Frozen food, Pasta, Pastry, Pizza, Primary food packaging, Ready meals

**Applications**
Accumulation belt, Food processing/conveying belt

**Special features**
Abrasion resistant, Easy cleanability, Frayless edges, Metal detection units suitable, Oil and fat resistant, Small pulley diameter suitable





| Product Construction / Design | |
|---|---|
| Conveying side material | Thermoplastic polyurethane (TPU) |
| Conveying side surface | Glossy |
| Conveying side property | Medium-adhesive |
| Conveying side color | White |
| 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 | No |
| Adhesive free joining method | Ja |
| 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 |
| Other conformance/approval | Japanese Food Regulation (MHLW Notification No. 370) |

# Food Belts
# BMB-4EFWT-Z1

| Technical data | | | | |
|---|---|---|---|---|
| Thickness of belt | 1.40 | mm | *0.055* | *tommer* |
| Mass of belt (belt weight) | 1.4 | kg/m² | *0.287* | *lb/sqft* |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 5.5 | N/mm | *31* | *lbf/in* |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 3.8 | N/mm | *22* | *lbf/in* |
| Min. operating temperature admissible (continuous) | -10 | °C | *14* | *°F* |
| Max. operating temperature admissible (continuous) | 100 | °C | *212* | *°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 | - | | |
| Seamless manufacturing width | 1200 | mm | *47.24* | *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 |
|---|---|---|
| Knife-edge (nosebar) radius (minimum) | mm<br>*tommer* | 3<br>*0.118* |
| Pulley diameter (minimum) | mm<br>*tommer* | 20<br>*0.79* |
| Pulley diameter minimum with counter flection | mm<br>*tommer* | 25<br>*0.98* |
| Admissible tensile force per unit of width | N/mm<br>*lbf/in* | 9.5<br>*54* |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>*lbf/in* | 8.0<br>*46* |
| Slider bed suitable | | Yes |
| Carrying rollers suitable | | Yes |
| Troughed installation suitable | | No |
| Powerturns / curved installations | | No |
| Designed for metal detector transparency | | 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.*

# Food Belts
# BMB-4EFWT-Z1

**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**
Do not go below initial elongation (epsilon) ~ 0.3%

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 | TPU Belts |
| | General Purpose Belts |
| Del nummer | H950037749 |

**Ansvarsfraskrivelse**
**Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)**
Denne ansvarsfraskrivelse gælder for Habasit og firmaer, som er tilknyttet os, samt vores chefer, ansatte, agenter og entreprenører (herefter fælles benævnt HABASIT) for de produkter som omfattes af denne tekst (herefter benævnt produkter). SIKKERHEDSADVARSLER SKAL LÆSES OMHYGGELIGT OG ALLE ANBEFALEDE SIKKERHEDSFORSKRIFTER SKAL FØLGES STRENGT! Følg advarslerne som findes i dette dokument, i Habasits kataloger og i installationsanvisninger og håndbøger. Alle indikationer og al information om applicering, anvendelse og ydelse af produktet er anbefalinger, som kan anses for værende pålidelige, men de er ingen fremstilling, garanti eller ansvarsforpligtigelse med hensyn til fuldstændighed, tolerancer eller egnethed til et bestemt formål. Denne information bygger på laboratoriearbejde med mindre testudstyr, kørt ved normaldrift, hvilket indebærer at den ikke nødvendigvis matcher produktydelsen ved industriel anvendelse. Ny viden og erfaring kan medføre modificeringer og ændringer inden for en kort periode og uden forudgående varsel.
DISSE PRODUKTER OMFATTES AF HABASITS UDTRYKTE GARANTI, SOM ER DEN ENESTE GÆLDENDE GARANTI OG ERSTATTER ALLE ANDRE EVENTUELLE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE. HABASIT FRASKRIVER SIG ALT ANSVAR FOR ALLE ANDRE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE, INKLUSIVE, DOG UDEN AT BEGRÆNSES DERTIL, UNDERFORSTÅEDE GARANTIER OM SALGBARHED, EGNETHED TIL ET BESTEMT FORMÅL, AT PRODUKTERNE IKKE STRIDER MOD NOGLE REGLER, SAMT GARANTIER SOM FØLGE AF AFTALE, ANVENDELSE ELLER HANDEL. DETTE FORBEHOLD GÆLDER I DEN UDSTRÆKNING SOM LOVEN TILLADER. DA FORUDSÆTNINGERNE FOR ANVENDELSE ER UDEN FOR HABASITS KONTROL, KAN VI IKKE TAGE NOGET ANSVAR FOR DE NÆVNTE PRODUKTERS EGNETHED ELLER PROCESTILPASNING. DETTE FORBEHOLD GÆLDER OGSÅ FOR INDIKATIONER FRA PROCESRESULTATER OG OUTPUT.