

Special features

High hydrolysis resistant



| Product Construction / Design | |
|-------------------------------|------------------------|
| Conveying side material | Silicone (SI) |
| Conveying side surface | Smooth |
| Conveying side property | Super-adhesive |
| Conveying side color | White |
| Traction layer (material) | Polyester (PET) fabric |
| Number of Fabrics | 2 |
| Pulley side material | Polyester (PET) fabric |
| Pulley side surface | Fabric |
| Pulley side color | White |

| Product characteristics | |
|-----------------------------------|--|
| Antistatically equipped | Yes |
| Adhesive free joining method | Yes |
| Food suitability, FDA conformance | Yes - Check Document of Compliance (DoC) in our Portal |
| Food suitability, EU conformance | Yes - acc. to Regulation (EC) No. 1935/2004 and other relevant food contact legislation. Details/restrictions see Habasit food compliance declaration. |
| Other conformance/approval | Complies with BfR recommendation (German federal institute for risk assessment). |

| Technical data | | | |
|--|-----------------------|-------|---------|
| Thickness of belt | 1.8 mm | 0.07 | inch |
| Mass of belt (belt weight) | 2.0 kg/m ² | 0.410 | lb/sqft |
| Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 4.0 N/mm | 23 | lbf/in |
| Min. operating temperature admissible (continuous) | -30 °C | -22 | °F |
| Max. operating temperature admissible (continuous) | 150 °C | 302 | °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) | 0.25 | - | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.15 | - | |
| 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 |
|---|----------------|----------------------|
| Pulley diameter (minimum) | mm inch | 30 1.18 |
| Pulley diameter minimum with counter flection | mm inch | 40 1.57 |
| Admissible tensile force per unit of width | N/mm lbf/in | 10 57 |
| Slider bed suitable | | Yes |
| Carrying rollers suitable | | Yes |
| Knife-edge (nosebar) suitable | | 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.

Chemical resistance

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

Mode of use or conveyance

Declined, Horizontal, Inclined

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%

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging.

| | |
|-------------|----------------------|
| Group | Silicone Belts |
| Sub-Group | Wear Resistant Belts |
| Item number | H700001877 |

Disclaimer

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

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