



Product Data Sheet

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Applications

| | |
|--|----------------------------------|
| Distribution Parcel, Carrier, Sores | Live Roller conveyor |
| Postal | Letter sorting machines |
| Application Group | Live Roller Belts; Machine Tapes |

Order information

| | |
|--|--------------------|
| Article number | 822180 |
| Standard delivery width | 500 mm / 19.69 in |
| Maximal delivery width (without longitudinal seam) on request | 1000 mm / 39.37 in |

Construction

| | |
|-----------------------------------|-----------------------------------|
| Surface material top face | Polyurethane |
| Surface pattern | Fine texture |
| Color | Green |
| Surface material underside | Polyurethane |
| Surface pattern | Fine texture |
| Color | Green |
| Tension member material | Polyester fabric, highly flexible |



Sustainability

| | |
|---|---|
| Coating made from biomass-balanced raw materials of bio-based origin | Renewable raw materials; Organic, resource-saving raw materials; Positive contribution to life cycle/carbon emissions; Supports your sustainability concept |
| Savings CO₂ [kg/m²] | On request |

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Technical data

| | |
|---|--|
| Total thickness | 2 mm ± 0.1 0.079 in ± 0.004 |
| Weight | 2.2 kg/m ² 0.451 lbs/ft ² |
| Fw' at 1 % elongation at fitting | 28 N/mm / 159.88 lbf/in |
| Relaxed specific shaft load at 1 % elongation at fitting and 180° arc of contact in N/mm belt width. | |
| k1% value relaxed | 14 N/mm / 79.94 lbf/in |
| Elongation at break warp | 11 % |
| Nominal effective pull (Fu',Nenn) | 20 N/mm |
| Recommended Elongation at fitting min. | 0.3 % |
| Recommended Elongation at fitting max. | 2 % |
| Friction coefficient of top face against steel panel according to internal test instruction | 0.6 |
| Friction coefficient of underside against steel panel according to internal test instruction | 0.6 |
| Permissible operating temperature | -20/70 °C -4/158 °F |

Properties

| | |
|--|-----|
| Troughable | Yes |
| Suitable for accumulation | No |
| Easy cleaning | Yes |
| Not sensitive to climatic fluctuation | Yes |

Electrostatic properties

| | |
|-------------------|--|
| Antistatic | Belt material with an electrically conductive antistatic agent. Volume resistance (RDi) in longitudinal direction parallel to plane of belt < 3 x 10 ⁸ Ω. Measurement according DIN EN ISO 21178. |
|-------------------|--|

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Fabrication

| | |
|------------------------------|-----------|
| Belt edge sealing | Smartseal |
| Profiles on top face | Yes |
| Profiles on underside | Yes |

Minimum drum diameter

Mechanical fasteners

| | |
|---|----------------|
| Z- splice - 110 x 11,5 mm, counter-bending | 30 mm / 1.2 in |
| Z- splice - 70 x 11,5 mm, counter-bending | 30 mm / 1.2 in |

Remarks

| | |
|----------------------------|---|
| Chemical resistance | U |
|----------------------------|---|

The physical data in this data sheet is approximate, can alter depending on production environments. The belts should be stored under normal ambient conditions climate (23 °C, 50 % humidity) as per DIN EN ISO 291. Fluctuations in climate can cause variations. See our brochure "Compendium Flat Belts" no. 333 which shows the types of belts that can be supplied and the manufacturing tolerances. Customised types require written confirmation.

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