

### Product Data Sheet

## E 12/2 U0/V5 MT-LT black

#### Applications

<b>Food industry</b>	Transport of packed food in freezers
<b>General material handling</b>	Horizontal conveying also at low temperatures
<b>Logistics</b>	Parcel handling

#### Order information

<b>Article number</b>	909054
<b>Suitable for corrugated side walls</b>	On request
<b>Standard delivery width</b>	2000 mm / 78.74 in
<b>Longitudinal seam possible</b>	On request

#### Construction

<b>Top face material</b>	Polyvinyl chloride
<b>Surface pattern</b>	Matt
<b>Coating thickness</b>	0.5 mm / 0.02 in
<b>Color</b>	Black
<b>Driving face material</b>	Polyurethane impregnation
<b>Surface pattern</b>	Fabric
<b>Color</b>	Transparent
<b>Tension member material</b>	Laterally stiff fabric of polyester warp and weft
<b>Weave pattern</b>	2
<b>Driving face weave</b>	Twill weave, low-noise

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#### Technical data

<b>Total thickness</b>	2.5 mm $\pm$ 0.15 0.098 in $\pm$ 0.006
<b>Weight</b>	3 kg/m <sup>2</sup> $\pm$ 0.2 0.614 lbs/ft <sup>2</sup> $\pm$ 0.041
<b>k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005</b>	10 N/mm / 57.1 lbf/in
<b>Recommended Elongation at fitting min.</b>	0.3 %
<b>Recommended Elongation at fitting max.</b>	1 %
<b>Friction coefficient of driving face against steel panel according ISO 21182</b>	0.2
<b>Permissible operating temperature</b>	-30/70 °C, for a short time 90 °C -22/158 °F, for a short time 194 °F
<b>Hardness of top face coating as per DIN 53505 (Shore A)</b>	75

#### Properties

<b>Lateral stiffness</b>	Laterally stiff
<b>Troughable</b>	No
<b>Suitable for accumulation</b>	Yes
<b>Inclined conveying</b>	No
<b>Suitable for knife edges</b>	No
<b>Suitable for curves</b>	No
<b>Flame-retardant</b>	No
<b>Noise development</b>	Low noise
<b>Belt support</b>	Slider bed (support rollers possible)

#### Electrostatic properties

<b>Antistatic</b>	Belt material with an electrically conductive antistatic agent. Volume resistance (RDi) in longitudinal direction parallel to plane of belt $< 3 \times 10^8 \Omega$ . Measurement according DIN EN ISO 21178.
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#### Fabrication

<b>Belt edge sealing</b>	On request
<b>Suitable for corrugated side walls</b>	On request
<b>Profiles on top face</b>	On request
<b>Profiles on underside</b>	Yes
<b>Mechanical fasteners</b>	CS-05; HS-22; HS-23; KS

#### Minimum drum diameter

<b>Z- splice - 70 x 11,5 mm, counter-bending</b>	60 mm / 2.4 in
<b>Mechanical KS fastener (single-ply) with overlap splice, counter-bending</b>	80 mm / 3.1 in
<b>Mechanical KS fastener (single-ply) with Z-splice, counter-bending</b>	80 mm / 3.1 in
<b>Stepped overlap splice - 70mm, counter-bending</b>	60 mm / 2.4 in
<b>Stepped Z-splice, counter-bending</b>	80 mm / 3.1 in
<b>Z- splice - 70 x 11,5 mm, bending</b>	40 mm / 1.6 in

#### Remarks

► **Especially suitable for low temperatures.**

**Chemical resistance** V

The physical data in this data sheet is approximate, can alter depending on production environments and was established at standard ambient conditions (23°C/73°F, 50% relative humidity) in accordance with DIN 50014/ISO 554. Fluctuations in climate can cause variations. See our brochure "Technical Information 1" no. 317 which shows the types of belts that can be supplied and the manufacturing tolerances. Customised types require written confirmation.

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