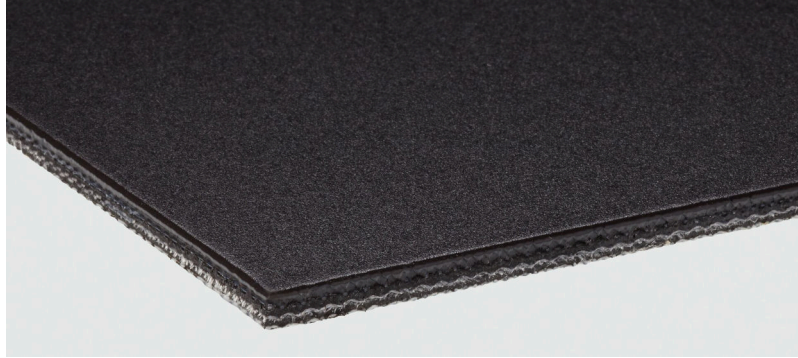


### Product Data Sheet

# E 12/3 U0/U10 MT black



Art. No.: 909251

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### Applications

<b>Automotive</b>	Press-in-feed/inter-press conveyors
<b>Building material industry</b>	Brick conveying / Tiles conveying / Stone transport; Cutters for plasterboard, cement fibreboard and cardboards, bitumen film, veneer
<b>General material handling</b>	Conveying of heavy unit goods
<b>Machinery</b>	Suction stackers; Vacuum cutting tables
<b>Recycling</b>	Eddy current separation for non-ferrous metals; Magnet separator for ferromagnetic metals; Waste sorting line with vision sensor for low light reflection
<b>Steel</b>	Conveying stamping waste; Magnet conveyors; Metal cutting line/shearing line; Transport of metal parts
<b>Wood industry</b>	Fibre/chip bins ; Transport of squared fire wood

### Order information

<b>Article number</b>	909251
<b>Suitable for corrugated side walls</b>	On request
<b>Standard delivery width</b>	3100 mm / 122.05 in
<b>Longitudinal seam possible</b>	On request

### E 12/3 U0/U10 MT black

#### Construction

<b>Top face material</b>	Polyurethane
<b>Surface pattern</b>	Matte
<b>Coating thickness</b>	1 mm / 0.039 in
<b>Color</b>	Black
<b>Driving face material</b>	Polyurethane impregnation
<b>Surface pattern</b>	Fabric
<b>Color</b>	Grey
<b>Tension member material</b>	Laterally stiff fabric of polyester warp and weft
<b>Number of fabric plies</b>	3
<b>Driving face weave</b>	Plain weave

#### Technical data

<b>Total thickness</b>	3.5 mm ± 0.15 0.138 in ± 0.006
<b>Weight</b>	3.95 kg/m <sup>2</sup> ± 0.15 0.809 lbs/ft <sup>2</sup> ± 0.031
<b>k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005</b>	9 N/mm / 51.39 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>	-30/100 °C, for a short time 120 °C -22/212 °F, for a short time 248 °F
<b>Hardness of top face coating as per DIN 53505 (Shore A)</b>	92

### E 12/3 U0/U10 MT black

#### 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>	Normal
<b>Coating/fabric exceptionally cut resistant</b>	Yes
<b>Belt support</b>	Slider bed (support rollers possible)

#### Food properties

Not suitable for the transport of unpacked food according (EU) 10/2011 and (EC) 1935/2004, FDA 21CFR or MHLW 370.

#### 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>	Yes
<b>Profiles on underside</b>	Yes
<b>Mechanical fasteners</b>	CS-05; HS-24; KS

### E 12/3 U0/U10 MT black

#### Minimum drum diameter

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**Z- splice - 70 x 11,5 mm, counter-bending** 90 mm / 3.5 in

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**Mechanical KS fastener (single-ply) with overlap splice, counter-bending** 160 mm / 6.3 in

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**Stepped overlap splice, counter-bending** 160 mm / 6.3 in

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#### Remarks

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**Chemical resistance** U

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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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