

Product Data Sheet

E 12/3 U0/U4 MT green

Applications

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

Order information

Article number	909224
Suitable for corrugated side walls	Yes
Standard delivery width	3000 mm / 118.11 in
Longitudinal seam possible	On request

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Construction

Top face material	Polyurethane
Surface pattern	Matte
Coating thickness	0.4 mm / 0.016 in
Color	Green (~RAL 5020)
Driving face material	Polyurethane impregnation
Surface pattern	Fabric
Color	Transparent
Tension member material	Laterally stiff fabric of polyester warp and weft
Number of fabric plies	3
Driving face weave	Plain weave

Technical data

Total thickness	3 mm ± 0.2 0.118 in ± 0.008
Weight	3.4 kg/m ² ± 0.2 0.696 lbs/ft ² ± 0.041
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	9 N/mm / 51.39 lbf/in
Recommended Elongation at fitting min.	0.3 %
Recommended Elongation at fitting max.	1 %
Friction coefficient of driving face against steel panel according ISO 21182	0.2
Permissible operating temperature	-30/100 °C, for a short time 120 °C -22/212 °F, for a short time 248 °F
Hardness of top face coating as per DIN 53505 (Shore A)	92

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Properties

Lateral stiffness	Laterally stiff
Troughable	No
Suitable for accumulation	Yes
Inclined conveying	No
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	No
Noise development	Normal
Coating/fabric exceptionally cut resistant	Yes
Belt support	Slider bed (support rollers possible)

Electrostatic properties

Antistatic	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

Belt edge sealing	Smartseal
Suitable for corrugated side walls	Yes
Profiles on top face	Yes
Profiles on underside	Yes

Minimum drum diameter

Z- splice - 70 x 11,5 mm, counter-bending	60 mm / 2.4 in
Stepped overlap splice - 70mm, bending	80 mm / 3.1 in
Stepped overlap splice - 70mm, counter-bending	125 mm / 4.9 in
Stepped Z-splice, counter-bending	60 mm / 2.4 in
Stepped Z-splice, bending	50 mm / 2 in
Z- splice - 70 x 11,5 mm, bending	50 mm / 2 in

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Remarks

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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