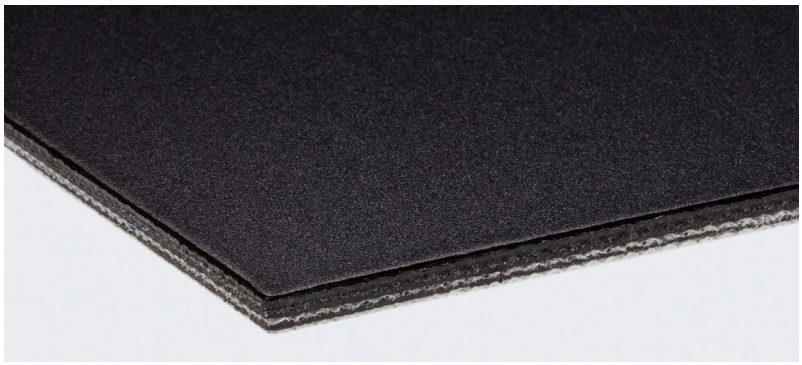
DATA SHEET

siegling transilon
conveyor and processing belts

Product Data Sheet

E 12/3 U0/V10H MT black



Art. No.: 909252 M 1:2

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	Magnet separator for ferromagnetic metals; 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	909252
Suitable for corrugated side walls	On request
Standard delivery width	3100 mm / 122.05 in
Longitudinal seam possible	Yes

E 12/3 U0/V10H MT black

Construction

Top face material	Polyvinyl chloride, hard
Surface pattern	Matte
Coating thickness	1 mm / 0.039 in
Color	Black
Driving face material	Polyurethane impregnation
Surface pattern	Fabric
Color	Grey
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	3.5 mm ± 0.15 0.138 in ± 0.006
Weight	4 kg/m² ± 0.15 0.819 lbs/ft² ± 0.031
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	-10/70 °C, for a short time 90 °C 14/158 °F, for a short time 194 °F
Hardness of top face coating as per DIN 53505 (Shore A)	83

E 12/3 U0/V10H MT black

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)

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

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.

Fabrication

Belt edge sealing	On request
Suitable for corrugated side walls	On request
Profiles on top face	Yes
Profiles on underside	Yes
Mechanical fasteners	CS-05; HS-24; KS

E 12/3 U0/V10H MT black

Minimum drum diameter

Z-splice, counter-bending	90 mm / 3.5 in
Stepped overlap splice - 122mm, counter-bending	150 mm / 5.9 in
Stepped Z-splice, counter-bending	125 mm / 4.9 in

Remarks

Chemical resistance	VH

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.

Date of last change: 9/4/2025 2:07:39 PM