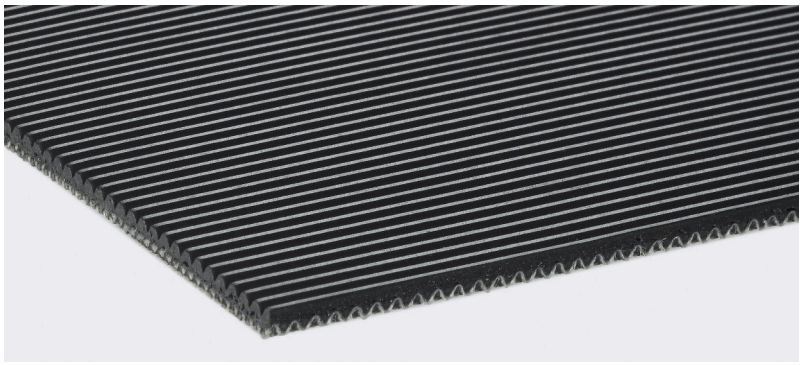
Product Data Sheet

EL 0/V10 LG-SE black 2.25



Art. No.: 909230 M 1:2



Applications

Airport logistics	
General material handling	Horizontal conveying (metering); Inclined conveying of unit goods / containers
Logistics	Acceleration conveyor; Braking conveyor; Conveyors without tensioning device; Parcel handling; Start-Stop conveyor; Strip belt merge

Order information

Article number	909230
Suitable for corrugated side walls	No
Standard delivery width	3100 mm / 122.05 in
Longitudinal seam possible	No

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Construction

Top face material	Polyvinyl chloride
Surface pattern	Longitudinal rib
Coating thickness	1 mm / 0.039 in
Color	Black
Driving face material	Polyester fabric
Surface pattern	Fabric
Color	Transparent
Tension member material	Laterally stiff, semi-elastic hybrid fabric of polyester warp and weft, 1 fabric plies
Weave pattern	1
Driving face weave	Special construction

Technical data

Total thickness	2.25 mm ± 0.1 0.089 in ± 0.004
Weight	2.6 kg/m² ± 0.1 0.533 lbs/ft² ± 0.02
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	0.3 N/mm / 1.71 lbf/in
Recommended Elongation at fitting min.	1.5 %
Recommended Elongation at fitting max.	5 %
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)	45

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Properties

Lateral stiffness	Conditionally laterally stiff
Troughable	No
Suitable for accumulation	No
Inclined conveying	Yes
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	Flame-retardant according to EN 20340/ISO 340 and ASTM 378-D
Noise development	Normal
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 x 10^8 Ω. Measurement according DIN EN ISO 21178.

Fabrication

Belt edge sealing	On request
Suitable for corrugated side walls	No
Profiles on top face	No
Profiles on underside	Yes
Mechanical fasteners	HS-21; KS

Minimum drum diameter

Z- splice - 70 x 11,5 mm, counter-bending	24 mm / 0.9 in
Mechanical KS fastener (single-ply) with Z-splice, counter-bending	30 mm / 1.2 in
Z- splice - 70 x 11,5 mm, bending	24 mm / 0.9 in

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Remarks

- **Especially suitable for conveyors where belts are running in a parallel set (one tension pulley).**
- **Especially suitable for short and wide belts.**

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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