

Product Data Sheet

E 18/3 V1/V1 blue

Applications

Technical Textiles / Roll up Doors	Roll-up door material
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Order information

Article number	900267
Suitable for corrugated side walls	No
Standard delivery width	2215 mm / 87.2 in
Maximal delivery width (without longitudinal seam) on request	4430 mm / 174.41 in
Longitudinal seam possible	Yes

Construction

Top face material	Polyvinyl chloride
Surface pattern	Fabric
Coating thickness	0.1 mm / 0.004 in
Color	Brilliant blue (~RAL 5000)
Driving face material	Polyvinyl chloride
Surface pattern	Fabric
Coating thickness	0.1 mm / 0.004 in
Color	Brilliant blue (~RAL 5000)
Tension member material	Exceptionally laterally stiff fabric of polyester warp and weft
Number of fabric plies	3
Driving face weave	Both sides coated

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Technical data

Total thickness	2.6 mm ± 0.2 0.102 in ± 0.008
Weight	3 kg/m ² ± 0.2 0.614 lbs/ft ² ± 0.041
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	10 N/mm / 57.1 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	0.26
Friction coefficient of top face against steel panel according ISO 21182	0.26
Permissible operating temperature	-10/70 °C, for a short time 90 °C 14/158 °F, for a short time 194 °F
Heat transfer coefficient	60 W/(K*m ²)

Properties

Lateral stiffness	Exceptionally laterally stiff
Troughable	No
Suitable for accumulation	Limited
Inclined conveying	No
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	No
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.
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Fabrication

Belt edge sealing	On request
Suitable for corrugated side walls	No
Profiles on top face	On request
Profiles on underside	On request
Mechanical fasteners	CS-05; HS-23; HS-22

Minimum drum diameter

Z-splice, counter-bending	125 mm / 4.9 in
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Remarks

Chemical resistance	V
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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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