

Product Data Sheet

PVC450 ORG CxC black FR



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Art. No.: 908310

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Applications

Agriculture

General material handling

Elevator belt; Troughed conveyor belt;
Waste conveyor, recycling conveyor

Plastics / Chemical / Electronics industry

Order information

Article number	908310
Suitable for corrugated side walls	No
Belt style	PVC = Interwoven PVC
Standard delivery width	1829 mm / 72.01 in
Longitudinal seam possible	Yes

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Construction

Top face material	Polyvinyl chloride, oil and fat resistant
Surface pattern	Smooth
Coating thickness	1.02 mm / 0.04 in
Color	Black
Driving face material	Polyvinyl chloride, oil and fat resistant
Surface pattern	Smooth
Coating thickness	1.02 mm / 0.04 in
Color	Black
Tension member material	3-ply interwoven fabric of polyester spun and filament warp and weft
Number of fabric plies	1

Technical data

Total thickness	9.14 mm ± 0.25 0.36 in ± 0.01
Weight	11.72 kg/m ² ± 1.17 2.4 lbs/ft ² ± 0.24
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	24 N/mm / 137.04 lbf/in
Recommended Elongation at fitting min.	0.5 %
Recommended Elongation at fitting max.	1.5 %
Rated working tension	79 N/mm / 450 lbf/in at 2 % Elongation
Friction coefficient of driving face against steel panel according ISO 21182	0.83
Friction coefficient of top face against steel panel according ISO 21182	0.83
Permissible operating temperature	-18/82 °C 0/180 °F
Hardness of top face coating as per DIN 53505 (Shore A)	80

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Properties

Lateral stiffness	Laterally stiff
Troughable	Limited
Suitable for accumulation	No
Inclined conveying	No
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	FR (ASTM D-378 & MSHA 2G)
Noise development	Normal
Particular surface properties	<ul style="list-style-type: none"> ▶ Good grip ▶ Coating/fabric abrasion resistant ▶ Good cut resistance
Belt support	Support rollers
UV resistance	Normal

Electrostatic properties

Antistatic	Belt material with an electrically conductive antistatic agent. Volume resistance (RDi) in longitudinal direction parallel to plane of belt <math>< 3 \times 10^8 \Omega</math>. Measurement according DIN EN ISO 21178.
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Fabrication

Suitable for corrugated side walls	No
Profiles on top face	Yes
Profiles on underside	Yes
Mechanical fasteners	On request

Minimum drum diameter

Wedge overlap splice, bending	400 mm / 15.7 in
Z-splice, bending	200 mm / 7.9 in

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Remarks

► Suitable for whole oily grains.

Chemical resistance	Good
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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.

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