

## Product Data Sheet

# PVC450 ORG CxC black FR



Art. No.: 908310

M 1:2

### 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

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

#### Technical data

<b>Total thickness</b>	9.14 mm $\pm$ 0.25 0.36 in $\pm$ 0.01
<b>Weight</b>	11.72 kg/m <sup>2</sup> $\pm$ 1.17 2.4 lbs/ft <sup>2</sup> $\pm$ 0.24
<b>k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005</b>	24 N/mm / 137.04 lbf/in
<b>Recommended Elongation at fitting min.</b>	0.5 %
<b>Recommended Elongation at fitting max.</b>	1.5 %
<b>Rated working tension</b>	79 N/mm / 450 lbf/in at 2 % Elongation
<b>Friction coefficient of driving face against steel panel according ISO 21182</b>	0.83
<b>Friction coefficient of top face against steel panel according ISO 21182</b>	0.83
<b>Permissible operating temperature</b>	-18/82 °C 0/180 °F
<b>Hardness of top face coating as per DIN 53505 (Shore A)</b>	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"> <li>▸ Good grip</li> <li>▸ Coating/fabric abrasion resistant</li> <li>▸ Good cut resistance</li> </ul>
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 $< 3 \times 10^8 \Omega$ . 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.**

<b>Chemical resistance</b>	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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