TECHNICAL DATA SHEET

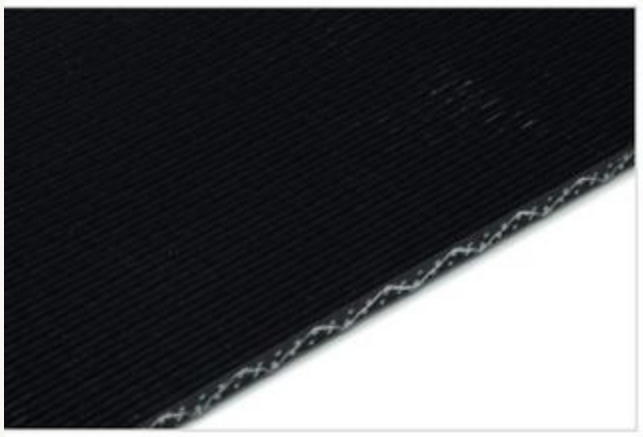
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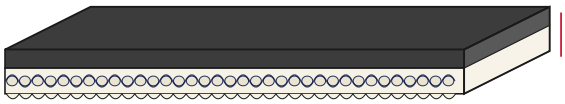
1-ply PVC conveyor belt · Black longitudinal groove structure · 4.2 mm

ORIONTEK
ENGINEERING GOOD SOLUTIONS

01 CONSTRUCTION

TOP COVER	Material	**PVC**
	Surface	**Longitudinal groove structure**
	Colour	**Black**
CARCASS	Fabric	**Polyester (PET)**
	Number of plies	**1**
BOTTOM	Material	**Polyester fabric**
	Surface	**Coarse textile structure**
	Colour	**Black**





PVC COVER — black · longitudinal groove
1-PLY POLYESTER — polyester (pet)
FABRIC DRIVE FACE — coarse textile structure · d

CROSS-SECTION — NOT TO SCALE

TOTAL 4.2 MM / IN.

02 TECHNICAL SPECIFICATIONS

Total thickness	**4.2**	mm	*0.165*	*in.*
Weight			**4.2 kg/m²**	
Load at 1% elongation	**6.0**	N/mm	*34.3*	*lbs/in.*
Temperature — minimum (1)	**–18**	°C	*0*	*°F*
Temperature — maximum (1)	**82**	°C	*180*	*°F*
Max. production width	**1829**	mm	*72*	*in.*
Coefficient of friction			**Drive side on steel 0.25**	

03 MINIMUM PULLEY DIAMETER (2)

■ Minimum pulley / nose bar	**51**	mm	*2.01*	*in.*
■ Back-flex (counter-bending) pulley	**65**	mm	*2.56*	*in.*

04 PROPERTIES

Flame retardant	YES
Slider bed	YES
Roller bed	YES
Troughed	YES

05 APPLICATION

Features: Absorption of shock loads, Cut resistant, Edges wear resistant, Excellent tracking, Flame retardant, High coefficient of friction surface, High grip surface, Impact resistant, Non fraying. Typical uses: Acceleration belt, Deceleration belt, Decline belt, Incline belt, Induction belt, Metering/singulation belt. Industries: Airport, Parcel distribution / Overnight carrier. Admissible tensile force 15 N/mm.

Oriontek service: supplied endless-joined, open-length or fabricated with profiles, sidewalls, cleats and V-guides. Onsite splicing available.

NOTES (1) Operating the belt at its limit values may reduce service life. (2) Minimum pulley diameters depend on belt tension and on the splice or fastener specified by Oriontek.

DISCLAIMER Values are nominal. They describe the product as tested and do not necessarily reflect conditions of industrial use, nor do they guarantee suitability for a specific application. The customer remains responsible for correct selection and use. Oriontek cannot be held liable for damages arising from use of this product. Specifications may be revised without prior notice.