

## Pioneer Belt Data Sheet

### PVC Conveyor Belt

#### Product Designation

<b>Product Group:</b>	PVC conveyor and processing belts
<b>Product Sub-Group:</b>	Allveyor belts for package handling
<b>Main Industry Segments:</b>	Airport; Baggage handling; Distribution centers; Materials Handling; Parcel distribution/Overnight carrier
<b>Belt Applications:</b>	Accumulation belt; Baggage handling; Diverting belt; General conveying belt
<b>Special Features:</b>	Economical; Flame retardant; High tensile strength; High transversal rigidity; Low friction surface; Puncture resistant; Tear resistant
<b>Mode of Use/Conveyance:</b>	Accumulation; Diverting; Horizontal; Side loading

#### Product Design (enlarged)



#### Product Construction/Design

<b>Conveying Side (Material):</b>	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
<b>Conveying Side (Surface):</b>	Impregnated fabric
<b>Conveying Side (Property):</b>	Non-adhesive
<b>Conveying Side (Color):</b>	Black
<b>Traction Layer (Material):</b>	Polyester (PET) fabric
<b>Number of Fabrics:</b>	1
<b>Running Side/Pulley Side (Material):</b>	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
<b>Running Side/Pulley Side (Surface):</b>	Impregnated fabric
<b>Running Side/Pulley Side (Color):</b>	Black

#### Product Characteristics

<b>Slider bed suitable:</b>	Yes
<b>Carrying rollers suitable:</b>	Yes
<b>Troughed installation suitable:</b>	No
<b>Power turns, curved installations:</b>	No
<b>Nosebar suitable:</b>	No
<b>Low noise applications:</b>	No
<b>Antistatically equipped:</b>	No
<b>Metal detector suitable:</b>	No
<b>Flammability:</b>	Flame retardant to ASTM D-378
<b>Food suitability FDA:</b>	No use intended
<b>Food suitability USDA:</b>	No use intended
<b>Food suitability EU:</b>	

## Technical Data

<b>Thickness:</b>	5.1 mm	0.200 in.
<b>Mass of belt (belt weight):</b>	5.9 kg/m <sup>2</sup>	1.2 lbs./sq.ft
<b>Nosebar Radius (minimum):</b>	NA mm	NA in.
<b>Pulley diameter minimum without or with counter flection:</b>	100 mm	4.0 in.
<b>Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-064):</b>	20 N/mm	114 lbs./in.
<b>Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):</b>	N/mm	lbs./in.
<b>Admissible tensile force per unit of width:</b>	39 N/mm	225 lbs./in.
<b>Operating temperature admissible (continuous):</b>	Min -18 °C Max 82 °C	Min 0 °F Max 180 °F
<b>Coefficient of friction on slider bed of pickled steel sheet:</b>	[-]	[-]
<b>Seamless manufacturing width:</b>	1524 mm	60 in.

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity, per ASTM standards, and are based on the Master Joining Method.