

**Main industry segments**

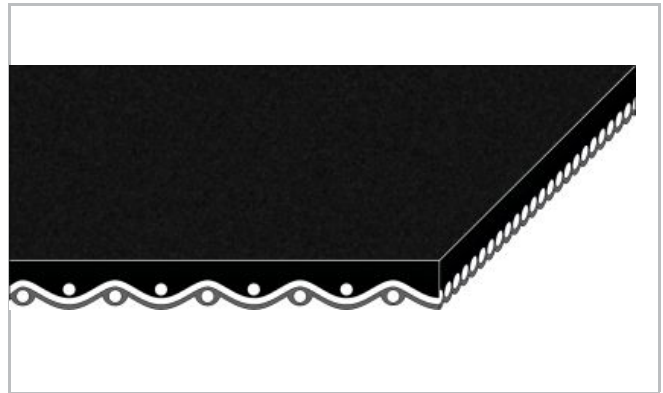
Distribution centers

**Applications**

Decline belt, Incline belt

**Special features**

Temperature variation resistant



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Smooth
Conveying side property	Adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	Flame retardant to ASTM D-378
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

Technical data			
Thickness of belt	3.4	mm	0.13 inch
Mass of belt (belt weight)	4.1	kg/m <sup>2</sup>	0.830 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	23	N/mm	130 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	73	N/mm	42 lbf/in
Min. operating temperature admissible (continuous)	-23	°C	-10 °F
Max. operating temperature admissible (continuous)	82	°C	180 °F
Coefficient of friction (running side / steel driving pulley)	0.20	-	
Coefficient of friction (running side / driving pulley with friction cover)	0.35	-	
Coefficient of friction (running side / pickled steel slider bed)	0.25	-	
Coefficient of friction (running side / phenolic resin slider bed)	0.25	-	
Coefficient of friction (running side / stainless steel slider bed)	0.30	-	
Seamless manufacturing width	1829	mm	72 inch
On request other seamless manufacturing width	1524	mm	60 inch

### Joining related properties

Joining method	
Clipper #1	Master joining method for standard applications
Flexproof 10 x 80	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #1	Flexproof 10 x 80
Pulley diameter (minimum)	mm	79	76
	inch	3.10	3.00
Pulley diameter minimum with counter flection	mm	79	76
	inch	3.10	3.00
Admissible tensile force per unit of width	N/mm	16	
	lbf/in	91	
Admissible tensile force per unit of width at max. operating temperature	N/mm	10.0	
	lbf/in	57	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Power turns / curved installations		No	No
Nosebar suitable		No	No
Low noise applications		No	No
Metal detector suitable		No	No

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

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**Chemical resistance**

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

**Mode of use or conveyance**

Declined, Horizontal, Inclined

**Calculations**

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

**Recommendation**

Do not go below initial elongation (epsilon) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging.

No danger and limitation

Group	Woven PVC Belts
Sub-Group	Allveyor General Purpose Belts
Item number	H250000651