

Main industry segments

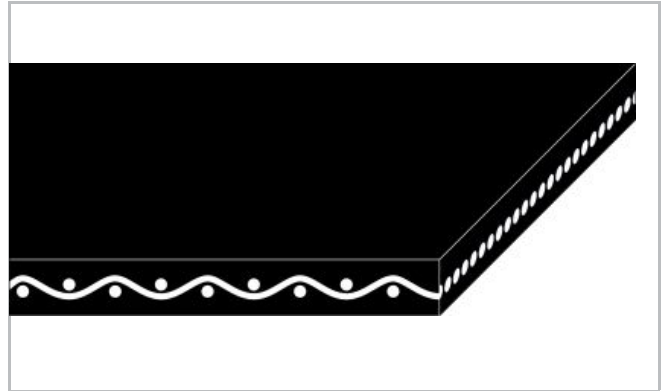
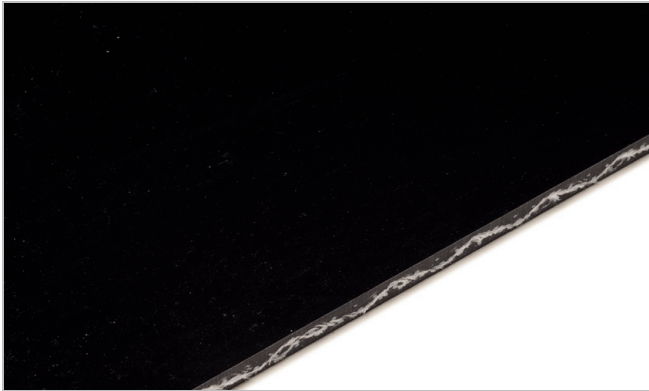
Distribution centers

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	Polyvinylchloride (PVC)
Pulley side surface	Smooth
Pulley side property	Adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

Technical data			
Thickness of belt	3.9	mm	0.15 inch
Mass of belt (belt weight)	5.1	kg/m ²	1.040 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	21	N/mm	120 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.0	N/mm	40 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)	0.40	-	
Coefficient of friction (running side / driving pulley with friction cover)	0.40	-	
Coefficient of friction (running side / pickled steel slider bed)	0.55	-	
Coefficient of friction (running side / phenolic resin slider bed)	0.55	-	
Coefficient of friction (running side / stainless steel slider bed)	0.50	-	
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 inch	76 3.00	76 3.00
Pulley diameter minimum with counter flection	mm inch	76 3.00	76 3.00
Admissible tensile force per unit of width	N/mm lbf/in	11 64	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	7.7 44	
Slider bed suitable		No	No
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Power turns / curved installations		No	No
Nosebar suitable		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).

Chemical resistance

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

Mode of use or conveyance

Declined, Inclined, Live roller drive

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	H250000581