

Heavy Conveyor Belts APH200PLFS



Main industry segments

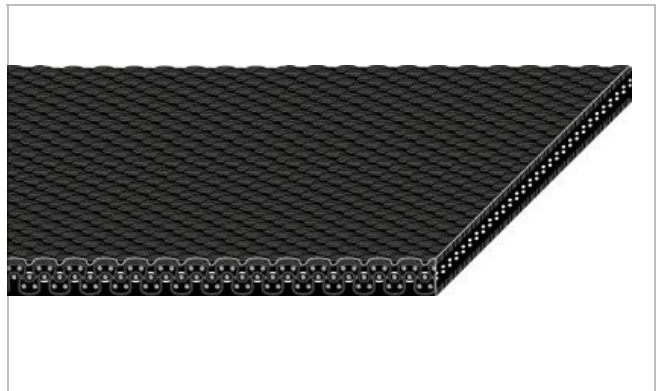
Distribution centers, Parcel distribution / Overnight carrier

Applications

Accumulation belt, Diverting belt

Special features

Flame retardant, High tensile strength, High transversal rigidity



Product Construction / Design	
Conveying side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Conveying side surface	Impregnated fabric
Conveying side property	Non-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	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

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

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Technical data			
Thickness of belt	4.8 mm	0.19 inch	
Mass of belt (belt weight)	5.9 kg/m ²	1.200 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	37 N/mm	210 lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	15 N/mm	86 lbf/in	
Min. operating temperature admissible (continuous)	-18 °C	0 °F	
Max. operating temperature admissible (continuous)	82 °C	180 °F	
Coefficient of friction (pulley side / steel driving pulley)	0.15 -		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -		
Coefficient of friction (pulley side / pickled steel slider bed)	0.20 -		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.25 -		
Coefficient of friction (pulley side / stainless steel slider bed)	0.25 -		
Seamless manufacturing width	1829 mm	72.00 inch	
On request other seamless manufacturing width	1524 mm	60 inch	

Joining related properties

Joining method	
Clipper #3HT	Master joining method for standard applications
Flexproof 10 x 80	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #3HT	Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	102 4.00	102 4.00
Pulley diameter minimum with counter flection	mm inch	102 4.00	102 4.00
Admissible tensile force per unit of width	N/mm lbf/in	29 165	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	16 91	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Low noise applications		No	No
Metal detector suitable		No	No

elongation and fastener retention

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Mode of use or conveyance

Accumulation, Diverting, Horizontal, Side loading

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

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. Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

No danger and limitation

Group	Woven Belts
Sub-Group	Flame Retardant Belts
Item number	H250000756

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