

# Heavy Conveyor Belts APH120COS



## Main industry segments

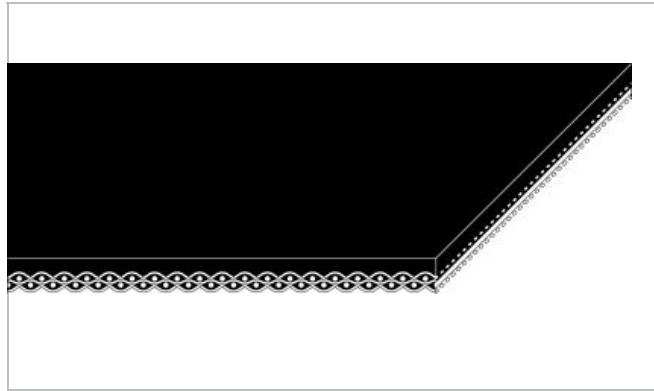
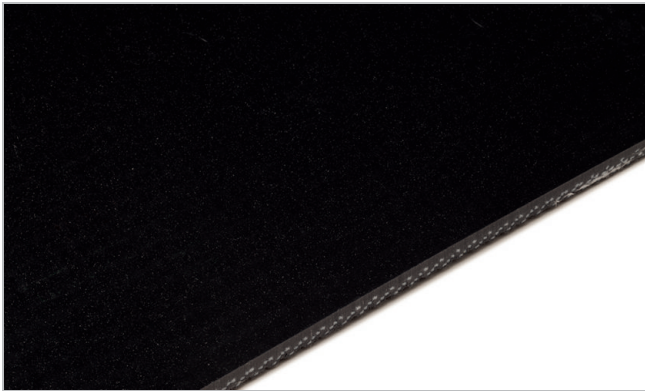
Airport, Distribution centers, Parcel distribution / Overnight carrier

## Applications

Acceleration belt, Infeed belt, Metering/singulation belt, Loading/Unloading belt

## Special features

Cut resistant, Good lace retention, Impact resistant, Low friction running side, High lateral stability



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Glossy
Conveying side property	Medium-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	Rough structure
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	3.4 mm	0.13 inch
Mass of belt (belt weight)	4.5 kg/m <sup>2</sup>	0.920 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)	6.4 N/mm	37 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)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.25 -	
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	1651 mm	65.00 inch

Contact PU to request other width options.

### Joining related properties

Joining method	
Mechanical joining	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Mechanical joining
Pulley diameter (minimum)	mm inch	65 2.56
Pulley diameter minimum with counter flecion	mm inch	75 2.95
Admissible tensile force per unit of width	N/mm lbf/in	20 116
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		No
Low noise applications		No
Metal detector suitable		No

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

Acceleration, Declined, Horizontal, Inclined, Metering

### Recommendation

Group	Woven Belts
Sub-Group	Flame Retardant Belts
Item number	H250000735

### Disclaimer

#### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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