

# Heavy Conveyor Belts

## APH120MFOXLN



### Main industry segments

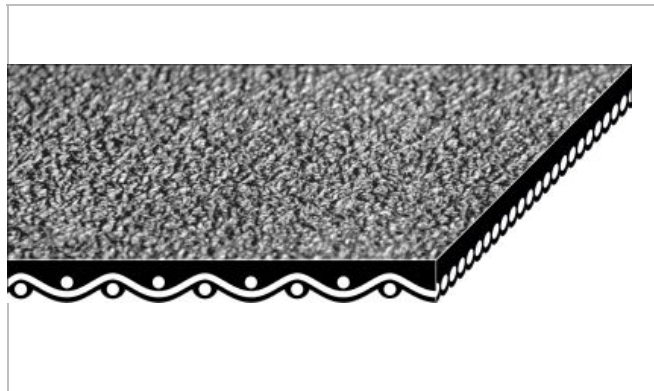
Parcel distribution / Overnight carrier

### Applications

Acceleration belt, Diverting belt

### Special features

Cut resistant, Edges wear resistant, Excellent tracking, Flame retardant, Good lace retention, High abrasion resistance, Low friction conveying side, Low noise applications suitable, Tear resistant



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Embossed cover
Conveying side property	Medium-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

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

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Technical data		
Thickness of belt	3.4 mm	0.14 inch
Mass of belt (belt weight)	3.6 kg/m <sup>2</sup>	0.730 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)	8.0 N/mm	46 lbf/in
Min. operating temperature admissible (continuous)	-12 °C	10 °F
Max. operating temperature admissible (continuous)	80 °C	176 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.50 -	
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)	0.18 -	
Seamless manufacturing width	1067 mm	42.00 inch
On request other seamless manufacturing width	1524 mm	60 inch
On request further seamless manufacturing width	1829 mm	72 inch

Additional manufacturing width: 1219.2 mm (48 in)

### Joining related properties

Joining method	
Clipper #2HT	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Clipper #2HT
Pulley diameter (minimum)	mm inch	61 2.40
Pulley diameter minimum with counter flection	mm inch	61 2.40
Admissible tensile force per unit of width	N/mm lbf/in	21 120
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	7.0 40
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		No
Low noise applications		Yes
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

Diverting, Horizontal, Inclined

### Recommendation

Group	Woven Belts
Sub-Group	Flame Retardant Belts
Item number	H250001632

### Disclaimer

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

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