

Heavy Conveyor Belts APH120LR



Main industry segments

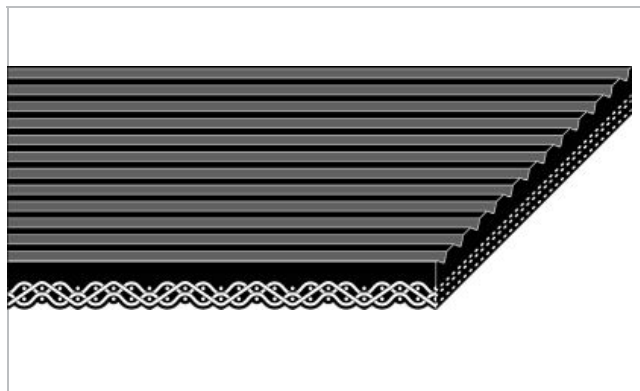
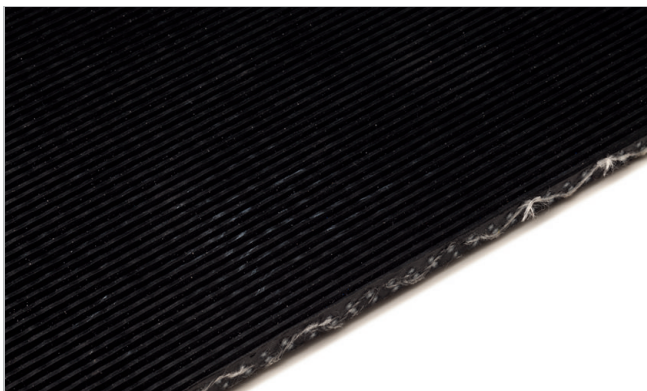
Airport, Parcel distribution / Overnight carrier

Applications

Acceleration belt, Deceleration belt, Decline belt, Incline belt, Induction belt, Metering/singulation belt

Special features

Absorption of shock loads, Cut resistant, Edges wear resistant, Excellent tracking, Flame retardant, High coefficient of friction surface, High grip surface, Impact resistant, Non fraying



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Longitudinal groove structure
Conveying side property	Super-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Coarse textile structure
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
Food suitability, EU conformance	No

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Technical data		
Thickness of belt	4.2 mm	0.17 inch
Mass of belt (belt weight)	4.2 kg/m ²	0.860 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	31 N/mm	175 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	6.0 N/mm	34 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)	0.25 -	
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)	0.30 -	
Seamless manufacturing width	1829 mm	72.00 inch
On request other seamless manufacturing width	1524 mm	60 inch

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	51 2.00
Pulley diameter minimum with counter flection	mm inch	65 2.54
Admissible tensile force per unit of width	N/mm lbf/in	15 86
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	7.4 42
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
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, Inclined, Metering

Recommendation

Group	Woven Belts
Sub-Group	Flame Retardant Belts
Item number	H25000

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