Heavy Conveyor Belts APH125MRTXLN



Main industry segments

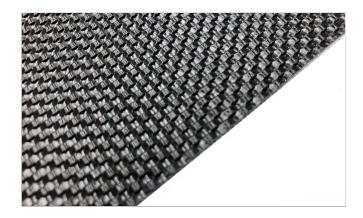
Airport, Parcel distribution / Overnight carrier

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	Mini-Rough Top
Conveying side property	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	3.6	mm	0.14	inch
Mass of belt (belt weight)	3.7	kg/m²	0.750	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)	8.3	N/mm	47	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
On request further seamless manufacturing width	1219	mm	48	inch

Additional seamless manufacturing width: 1066.8 mm (42 inches)

Joining related properties

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

Link to JDS:

Joining method		Clipper #2HT	
Pulley diameter (minimum)	mm	79	
	inch	3.11	
Pulley diameter minimum with	mm	89	
counter flection	inch	3.50	
Admissible tensile force per unit of	N/mm	15	
width	lbf/in	86	
Admissible tensile force per unit of	N/mm	7.4	
width at max. operating	lbf/in	42	
temperature			
Slider bed suitable	Slider bed suitable		
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 H250001642

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

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