

Main industry segments

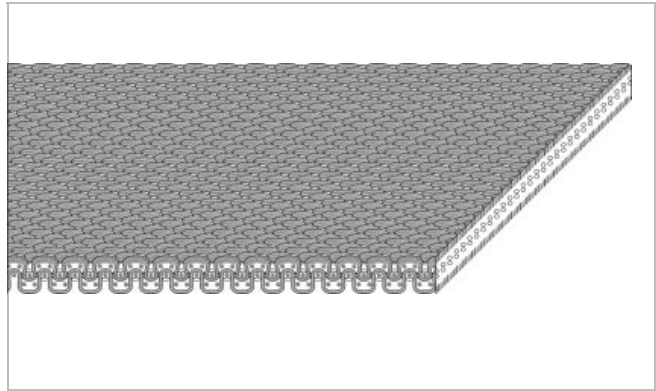
Cement, General conveying, Plastics

Applications

Air gravity/air slide membrane

Special features

Abrasion resistant, Chemical resistant, High strength, Temperature variation resistant, UV resistant



Product Construction / Design	
Conveying side material	Polyester (PET)
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	4
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	White

Product characteristics	
Antistatically equipped	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

Technical data			
Thickness of belt	5.0	mm	0.20 inch
Mass of belt (belt weight)	3.4	kg/m ²	0.700 lb/sqft
Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	12	N/mm	69 lbf/in
Min. operating temperature admissible (continuous)	-51	°C	-60 °F
Max. operating temperature admissible (continuous)	154	°C	310 °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)	0.20	-	
Seamless manufacturing width	1829	mm	72.00 inch

Joining related properties

Joining method	
Alligator #20	Master joining method for standard applications
Clipper #3	Optional joining method

[Link to JDS:](#)

Joining method		Alligator #20	Clipper #3
Pulley diameter (minimum)	mm inch	76 3.00	76 3.00
Pulley diameter minimum with counter flection	mm inch	89 3.50	89 3.50
Admissible tensile force per unit of width	N/mm lbf/in	16 92	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	14 81	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		No	No
Troughed installation suitable		No	No
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Metal detector suitable		No	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.



Chemical resistance

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

Mode of use or conveyance

Declined, Horizontal, Inclined

Recommendation

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)

Group	Fabric Surface Belts
Sub-Group	Solid Woven Belts
Item number	H250000218

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