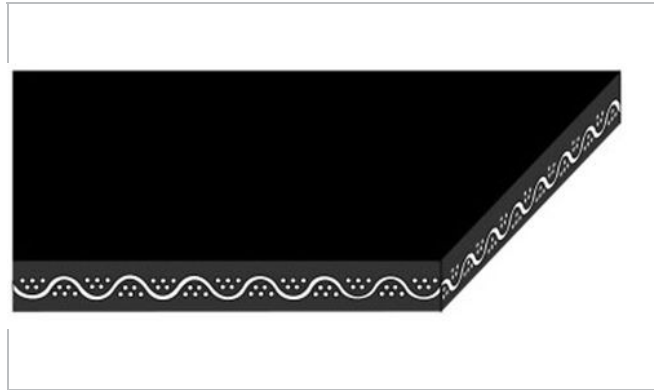
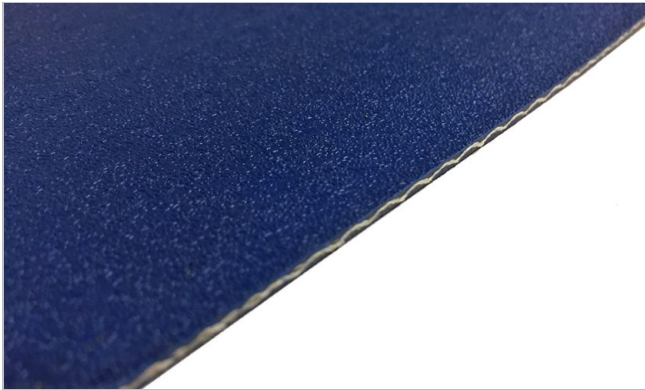


Heavy Conveyor Belts

ADF821-BE



Product Construction / Design

Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Embossed cover
Conveying side property	Adhesive
Conveying side color	Blue
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyvinylchloride (PVC)
Pulley side surface	Embossed cover
Pulley side property	Adhesive
Pulley side color	Blue

Product characteristics

Antistatically equipped	No
Adhesive free joining method	No
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended

Technical data

Thickness of belt	2.7 mm	0.11 inch
Mass of belt (belt weight)	3.7 kg/m ²	0.750 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)	7.3 N/mm	42 lbf/in
Min. operating temperature admissible (continuous)	-23 °C	-10 °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)	0.30 -	
Seamless manufacturing width	1829 mm	72.00 inch
On request other seamless manufacturing width	1524 mm	60 inch

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Joining related properties

Joining method	
Clipper #1	Master joining method for standard applications
Flexproof 10 x 80	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #1	Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	79 3.10	76 3.00
Pulley diameter minimum with counter flection	mm inch	79 3.10	76 3.00
Admissible tensile force per unit of width	N/mm lbf/in	16 91	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	10.0 57	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		---	---
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Low noise applications		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.

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Chemical resistance

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

Mode of use or conveyance

Vertical

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

Do not go below initial elongation (epsilon) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! 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)

No danger and limitation

Group	Woven Belts
Sub-Group	Allveyor General Purpose Belts
Item number	H250000580

Disclaimer

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

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