

Processing Belts PM115HTFBS-B

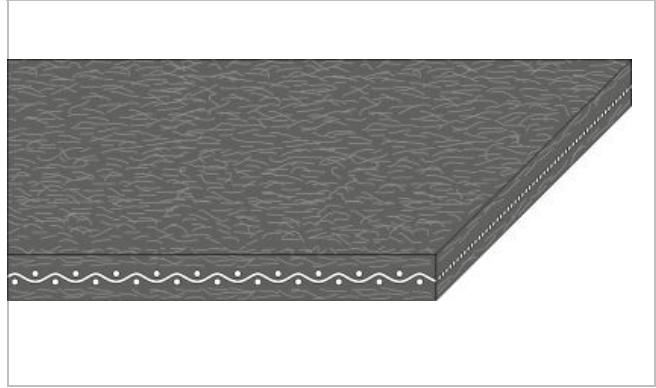
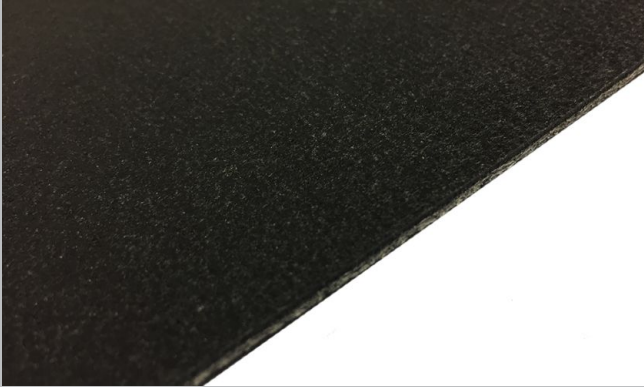


Applications

Leg positioning strap for climbers

Special features

High abrasion resistance, High tensile strength



Product Construction / Design	
Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Impregnated fleece
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	PET/p-Aramid
Number of Fabrics	1
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR)
Pulley side surface	Impregnated fleece
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended

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Technical data		
Thickness of belt	3.0 mm	0.12 inch
Mass of belt (belt weight)	3.0 kg/m ²	0.614 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	34 N/mm	194 lbf/in
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)	-12 °C	10 °F
Max. operating temperature admissible (continuous)	79 °C	175 °F
Coefficient of friction (pulley side / steel driving pulley)	0.25 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.40 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.30 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.30 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.25 -	
Seamless manufacturing width	1524 mm	60.00 inch

Ultimate Tensile Load: 2500 N/cm (1400lbf/in); Ultimate Tensile Load with 1/4" hole: 1070 N/cm (600 lbf/in); Pulley dia (min): 50mm (2.0 in); Tear Strength with buckle: 1362 N (300 lbf).

Joining related properties

Joining method

[Link to JDS:](#)

Joining method

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>

Calculations

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

Recommendation

Install the slack belt and tension until running perfectly under the full belt load

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)

No danger and limitation

Group	Nonwoven Belts
Sub-Group	Polymate Nonwoven Belts
Item number	H250001402

Disclaimer

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