

Heavy Conveyor Belts

SWP/5PU-B



Main industry segments

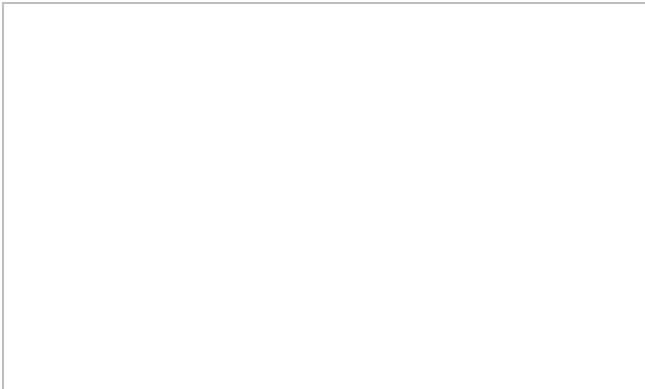
Tire

Applications

Processing belt

Special features

Cut resistant, High abrasion resistance, Low friction running side



Product Construction / Design	
Conveying side material	Polyurethane/PTFE
Conveying side surface	Rough structure
Conveying side property	Medium-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
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	No
Food suitability, USDA recommendations	No use intended

Technical data		
Thickness of belt	5.6 mm	0.22 inch
Mass of belt (belt weight)	4.3 kg/m ²	0.888 lb/sqft
Min. operating temperature admissible (continuous)	-34 °C	-30 °F
Max. operating temperature admissible (continuous)	135 °C	275 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Seamless manufacturing width	1524 mm	60.00 inch

Joining related properties

Joining method	
Clipper #4	Master joining method for standard applications
Alligator #15	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Clipper #4	Alligator #15
Pulley diameter (minimum)	mm	102	102
	inch	4.00	4.00
Pulley diameter minimum with counter flection	mm	89	89
	inch	3.50	3.50
Admissible tensile force per unit of width	N/mm	35	35
	lbf/in	200	200
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		Yes	Yes
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Metal detector suitable		Yes	Yes

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

Horizontal

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%

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	Woven Belts
Sub-Group	Various Conveyor Special Belts
Item number	H250001319

Disclaimer

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