

Heavy Conveyor Belts PM140SCTPU-B



Main industry segments

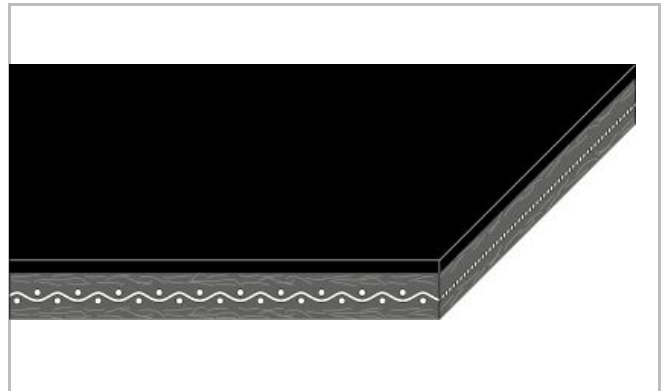
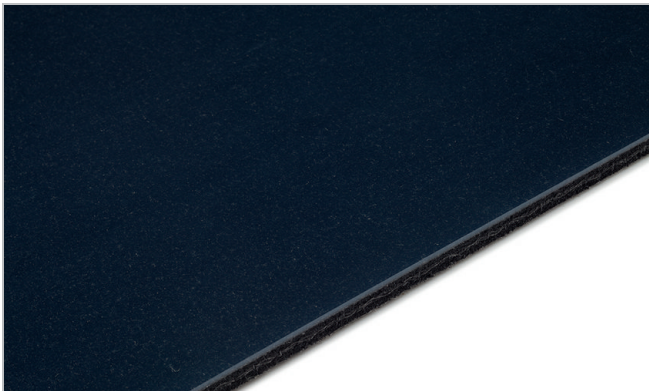
Automotive general, General applications, Metal working, Various industries

Applications

Conveyor belt, Stamping belt, Transfer belt

Special features

Abrasion resistant, Anti-static, Cut resistant, Edges wear resistant, Excellent tracking characteristics, High abrasion resistance, Low noise applications, Non-marking, Oil resistant



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Smooth
Conveying side property	Medium-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	0
Pulley side material	Nonwoven (fleece)
Pulley side surface	Buffed finish
Pulley side property	Non-adhesive
Pulley side color	Black

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

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Technical data			
Thickness of belt	4.8 mm	0.19 inch	
Mass of belt (belt weight)	4.5 kg/m ²	0.920 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155):	22 N/mm	125 lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	8.2 N/mm	47 lbf/in	
Min. operating temperature admissible (continuous)	-12 °C	10 °F	
Max. operating temperature admissible (continuous)	80 °C	176 °F	
Coefficient of friction (running side / steel driving pulley)	0.40	-	
Coefficient of friction (running side / driving pulley with friction cover)	0.40	-	
Coefficient of friction (running side / pickled steel slider bed)	0.25	-	
Coefficient of friction (running side / phenolic resin slider bed)	0.30	-	
Coefficient of friction (running side / stainless steel slider bed)	0.25	-	
Seamless manufacturing width	1829 mm	72 inch	
On request other seamless manufacturing width	1524 mm	60 inch	

Joining related properties

Link to JDS:

<http://pdchmp04.habasit.com/HNET/fabren.nsf/vwGetJDS?OpenView&productCode=PM140SCTPU-B>

Joining method	Unit	Flexproof 10 x 80	Mechanical joining
Pulley diameter (minimum)	mm inch	102 4.00	102 4.00
Pulley diameter minimum with counter flecion	mm inch	152 6.00	152 6.00
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	9.6 55	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Power turns / curved installations		No	No
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).

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Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

Mode of use or conveyance

Horizontal, Slider bed

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

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

No danger and limitation

Group	Nonwoven Belts
Sub-Group	Rubber Saturated Ulti-Mate Belts
Item number	H250000119
Customs tariff number	59111000

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