

Main industry segments

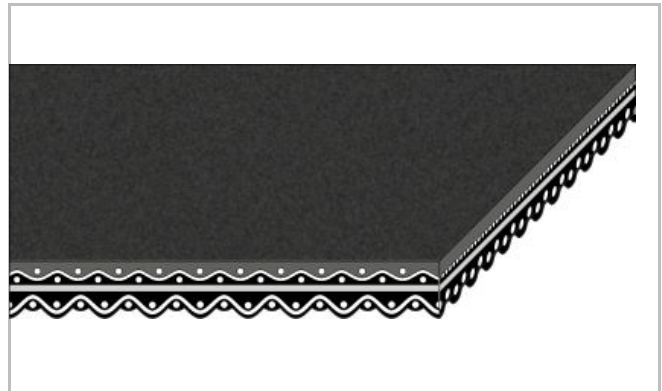
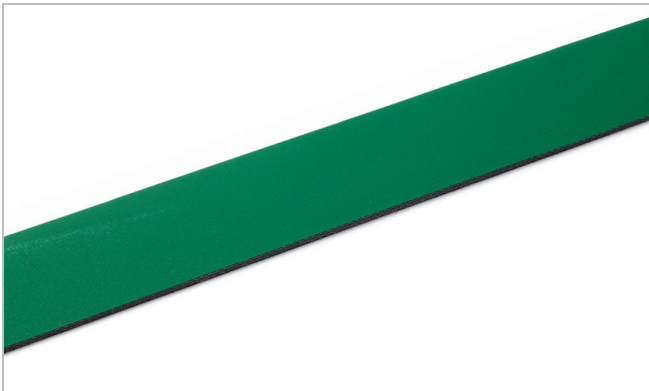
Paper manufacturing and processing, Paper printing and finishing

Applications

Machine tape, Paper handling belt, Power transmission belt, Processing belt

Special features

Abrasion resistant, Constant coefficient of friction, Forgiving in case of short term shock like overloads, Versatile



Product Construction / Design	
Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Matt
Conveying side property	Adhesive
Conveying side color	Green
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Smooth
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	No

Technical data		
Thickness of belt	1.20 mm	0.05 inch
Mass of belt (belt weight)	1.3 kg/m ²	0.266 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	7.0 N/mm	40 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	4.0 N/mm	23 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Seamless manufacturing width	1200 mm	47 inch

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Joining related properties

[Link to JDS:](#)

Joining method		Thermofix
Pulley diameter (minimum)	mm <i>inch</i>	40 1.57
Pulley diameter minimum with counter flection	mm <i>inch</i>	40 1.57
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No

As power transmission belt application: Nominal peripheral force per unit of width = 10 N/mm / 57.1 lbs./in.

Chemical resistance

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

Mode of use or conveyance

Declined, Horizontal, Inclined, Power transmission, 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%, Observe the indications of the machine handbook from the machine manufacturers

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.

Group	Polyamide Machine Tapes
Sub-Group	-
Item number	H010100467

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