

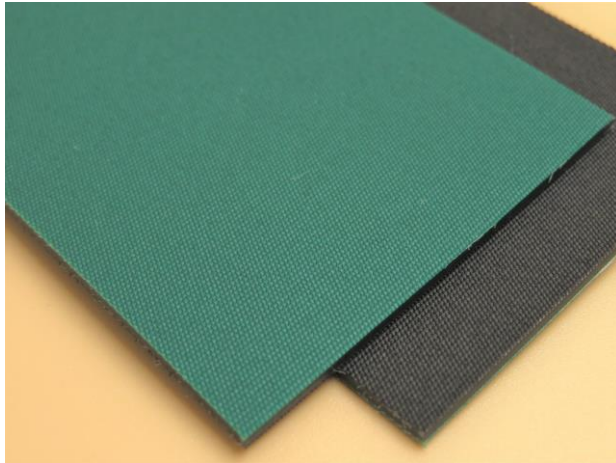
Technical Datasheet	PolyBelt™	Power Transmission and Conveyor Belt
	Belt type	SG-500

PB-003 ver.0

Applications

- Sheet-fed printing press
- Rotary printing press
- Light duty conveyor

Construction



Top side	Bottom side
Polyamide	Polyamide
-	-
NBR-impreg. fabric	NBR-impreg. fabric
Green	Black

Tension member	Splice
Polyamide	Skiver
Film	
0.5mm	

Construction 

Dimensions

Width/Roll (max.)	325mm
Width/Endless (max.)	300mm
Length (max.)	105m
Total thickness	1.1mm
Weight	1.1 Kg/m ²

©Please contact Nitta if you need other dimensions.

Regulatory compliance

RoHS(2011/65/EC)
REACH regulation

Features

Antistatic
Moderate C.O.F.
Slider bed
Roller bed

Properties

Minimum pulley diameter

Power Transmission Application
Skiver 50mm

Conveyor Application
Skiver 40mm

Dynamic properties

Standard elongation
2.0%

Tension after relaxation at 2.0%
7.5N/mm

Initial tension at 3.0%
22.5N/mm

Tension after relaxation at 3.0%
11.3N/mm

Operating temperature range
-20~80°C

Operating temperature range*
-20~80°C

*When under continuous use

Tensile properties

Tensile strength
150N/mm

Elongation at break
20%

Maximum allowable tension
22.5N/mm

Maximum allowable elongation
3.0%

Coefficient of friction

Top vs. Steel
0.3~0.4

vs. Paper
0.4~0.5

Bottom vs. Steel
0.3~0.4

vs. Paper
0.4~0.5

vs. Lagged pulley
0.5~0.7

vs. POM (resin)
0.3~0.5