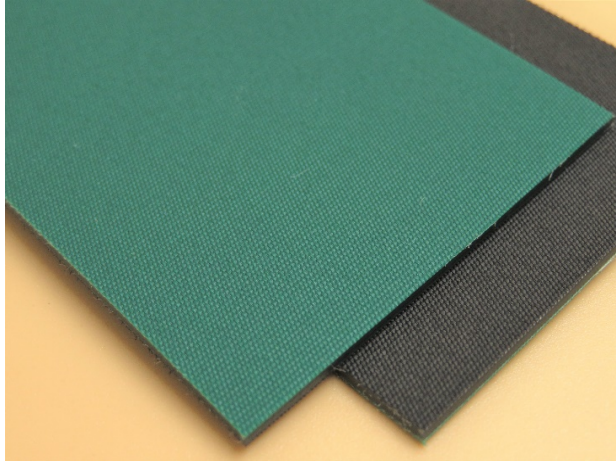



Technical Datasheet	PolyBelt™	Power Transmission and Conveyor Belt
	Belt type	<b>SG-500</b> PB-003 Ver.3

### 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 <sup>2</sup>

Please contact Nitta if you need other dimensions.

### Regulatory compliance

RoHS(2011/65/EC,  
(EU)2015/863)

### 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