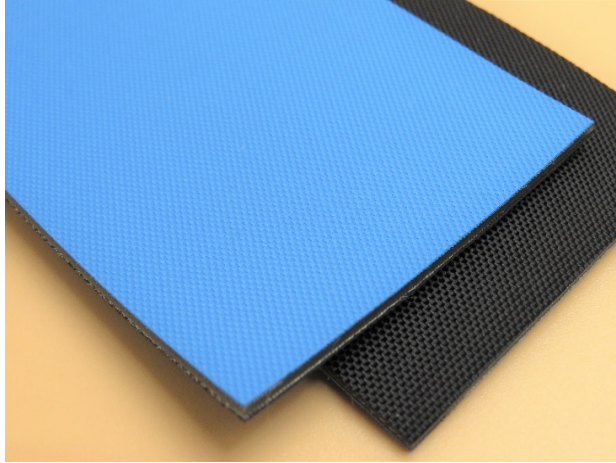


Technical Datasheet	PolyBelt™	Power Transmission and Conveyor Belt
	Belt type	<b>L-500</b> PB-011 Ver.3

### Applications

- Right angle transfer / RAT
- Bookbinding machine
- Light duty transmission
- Light duty conveyor

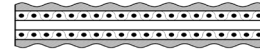
### Construction



Top side	Bottom side
NBR	NBR
0.3mm	0.3mm
Rough pattern	Rough pattern
Blue	Black

Tension member	Splice
Polyamide	Skiver
Film	
0.5mm	

Construction



### Dimensions

Width/Roll (max.)	325mm
Width/Endless (max.)	300mm
Length (max.)	105m
Total thickness	1.55mm
Weight	1.8 Kg/m <sup>2</sup>

Please contact Nitta if you need other dimensions.

### Regulatory compliance

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

### Features

- Antistatic
- Superior abrasion resistance
- Superior oil resistance
- Roller bed
- Thin (Light) rubber type

### 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  
0.5~0.6

vs. Paper  
0.6~0.7

Bottom vs. Steel  
0.5~0.6

vs. Paper  
0.6~0.7

vs. Lagged pulley  
0.7~0.9

vs. POM (resin)  
0.5~0.7