

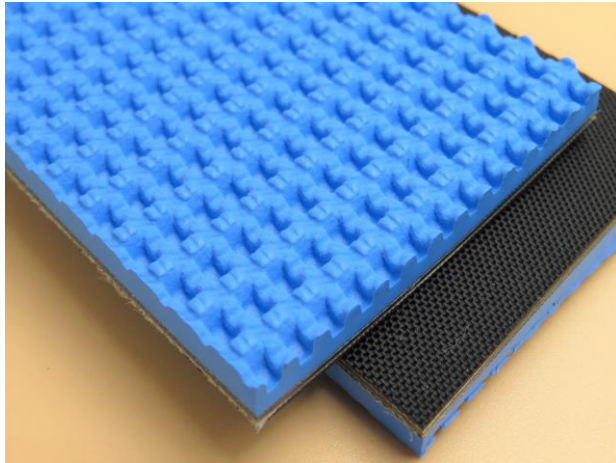
Technical Datasheet	PolyBelt™	Conveyor Belt
	Belt type	<b>NRT-500</b>

PB-231 ver.0

### Applications

- Flexo folder gluer
- Woodworking machine

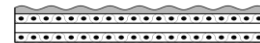
### Construction



Top side	Bottom side
NBR	Polyamide
-	-
Rough top	NBR-impreg. fabric
Blue	Black

Tension member	Splice
Polyamide	Skiver
Film	Step
0.5mm	

Construction



### Dimensions

Width/Roll (max.)	480mm
Width/Endless (max.)	300mm
Length (max.)	45m
Total thickness	approx. 6.0mm
Weight	5.6 Kg/m <sup>2</sup>

©Please contact Nitta if you need other dimensions.

### Regulatory compliance

RoHS(2011/65/EC)  
REACH regulation

### Features

Antistatic  
Cushioning property  
High grip  
Superior abrasion resistance  
Incline conveyance  
Roller bed

### Properties

#### Minimum pulley diameter

Power Transmission Application	
Skiver	-
Step	-
Conveyor Application	
Skiver	90mm
Step	90mm

#### Dynamic properties

Standard elongation	1.0%
Tension after relaxation at 1.0%	3.8N/mm
Initial tension at 3.0%	22.8N/mm
Tension after relaxation at 3.0%	11.4N/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	22.8N/mm
Maximum allowable elongation	3.0%

#### Coefficient of friction

Top	vs. Steel	0.9~1.0
	vs. Paper	about 1.0
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