



Technical Datasheet	PolyBelt™	Power Transmission and Conveyor Belt
	Belt type	TTA-1000 PN-027 Ver.0

Applications

Construction



Top side	Bottom side
Polyamide	Polyamide
-	-
Fabric	Fabric
Blue	Blue
Tension member	Splice
Polyamide	Skiver
Film	
1.0mm	

Construction 

Dimensions

Width/Roll (max.)	320mm
Width/Endless (max.)	320mm
Length (max.)	100m
Total thickness	1.8mm
Weight	1.7 Kg/m ²

Please contact Nitta if you need other dimensions.

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

Features

- Superior abrasion resistance
- High lateral rigidity
- Slider bed
- Roller bed

Properties

Minimum pulley diameter	
Power Transmission Application	100mm
Skiver	60mm
Conveyor Application	
Skiver	60mm

Dynamic properties

Standard elongation	1.0%
Tension after relaxation at 1.0%	7.5N/mm
Initial tension at 3.0%	45.0N/mm
Tension after relaxation at 3.0%	22.5N/mm
Operating temperature range	-20~80°C
Operating temperature range*	-20~80°C

*When under continuous use

Tensile properties

Tensile strength	300N/mm
Elongation at break	20%
Maximum allowable tension	45.0N/mm
Maximum allowable elongation	3.0%

Coefficient of friction

Top	vs. Steel	0.2~0.3
	vs. Paper	0.3~0.4
Bottom	vs. Steel	0.2~0.3
	vs. Paper	0.3~0.4
	vs. Lagged pulley	0.4~0.6
	vs. POM (resin)	0.2~0.4