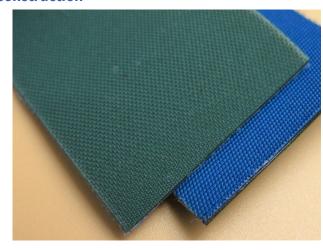


# Technical Datasheet PolyBelt™ Power Transmission and Conveyor Belt TAIR-250 PN-019 Ver.0

# **Applications**

- Paper converting belt for printing application
- Book making machine
- Table supporting conveyor

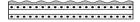
# Construction



Top side	Bottom side	
NBR	Polyamide	
0.2mm	-	
Rough pattern	Fabric	
Green	Blue	
Tension member	Splice	
Polyamide	Skiver	

Film
0.2mm

Construction



#### **Dimensions**

Width/Roll (max.)	
	320mm
Width/Endless (max.)	
	320mm
Length (max.)	
	100m
Total thickness	
	1.0mm
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 Slider bed

### **Properties**

Minimum pulley diameter	
Power Transmission A	Application
Skiver	25mm

Conveyor Applic	cation
Skiver	25mm

# **Dynamic properties**

by maining properties
Standard elongation
1.0%
Tension after relaxation at 1.0%
1.5N/mm
Initial tension at 3.0%
9.0N/mm
Tension after relaxation at 3.0%
4.5N/mm
Operating temperature range
-20~80° <b>C</b>
Operating temperature range*
-20~80° <b>C</b>

# **Tensile properties**

Tensile strength
60N/mm
Elongation at break
20%
Maximum allowable tension
9.0N/mm
Maximum allowable elongation
3.0%

# Coefficient of friction Top vs Steel

тор	vs. Steet
	0.5~0.6
	vs. Paper
	0.6~0.7
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

\*When under continuous use