NITTA

Technical Datasheet

PolySprint ™ Conveyor Belt

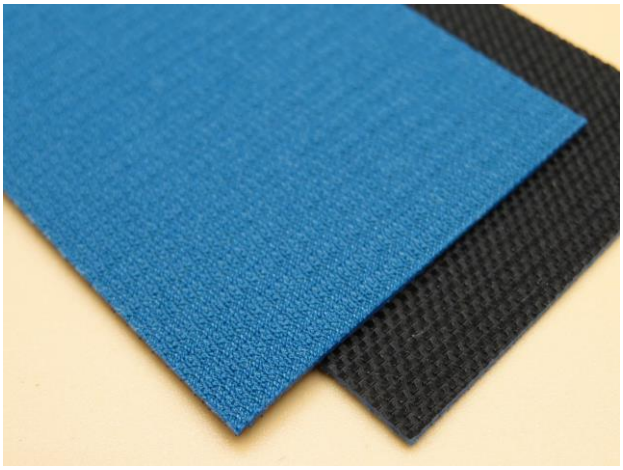
Belt type **NTD**

PS-053 ver.0

Applications

- Bookbinding machine
- Postal machine
- Light duty conveyor
- Belt on roller / MDR

Construction



Top side	Bottom side
-	Conductive resin
Knit	Rough pattern
Blue	Black

Tension member	Splice
-	Finger
-	(10×30, 20×20)

Construction 

Dimensions

Width/Roll (max.)	550mm
Width/Endless (max.)	550mm
Length (max.)	100m
Total thickness	1.35mm
Weight	1.3 Kg/m²

◎Please contact Nitta if you need other dimensions.

Regulatory compliance

RoHS(2011/65/EC)

REACH regulation

Features

Antistatic

No tensioning device required

Will not damage conveyed goods

Accumulation

Cut resistance

Slider bed

Roller bed

Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	
Finger	25mm
Back flexing	
Finger	25mm

Dynamic properties

Standard elongation	5.0%
Tension after relaxation at 5.0% *	1.0N/mm
Initial tension at 8.0%	3.2N/mm
Tension after relaxation at 8.0% *	1.6N/mm
Operating temperature range	0~60℃

*After 200hrs running-in

Tensile properties

Tensile strength	20N/mm
Elongation at break	150%
Maximum allowable tension	3.2N/mm
Maximum allowable elongation	8.0%

Coefficient of friction

Top	vs. Steel	0.1~0.2
	vs. Paper	0.2~0.3
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

Issued by Industrial Products Div.

2021/12/14