NITTA

Technical Datasheet

PolySprint ™ Conveyor Belt

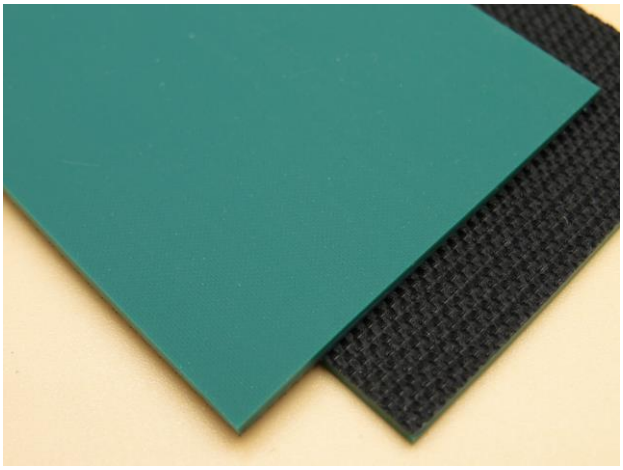
Belt type **TC**

PS-006 ver.0

Applications

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

Construction



Top side	Bottom side
TPU	Conductive resin
Taffeta pattern	Rough pattern
Green	Black

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

Construction 

Dimensions

Width/Roll (max.)	1000mm
Width/Endless (max.)	1000mm
Length (max.)	100m
Total thickness	1.4mm
Weight	1.5 Kg/m²

◎Please contact Nitta if you need other dimensions.

Regulatory compliance

Food Sanitation Act (Japan)
RoHS(2011/65/EC)
REACH regulation

Features

Antistatic
No tensioning device required
Slider bed
Roller bed
Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	
Finger	40mm
Back flexing	
Finger	40mm

Dynamic properties

Standard elongation	2.0%
Tension after relaxation at 2.0% *	0.3N/mm
Initial tension at 8.0%	2.4N/mm
Tension after relaxation at 8.0% *	1.2N/mm
Operating temperature range	-20~60℃

*After 200hrs running-in

Tensile properties

Tensile strength	30N/mm
Elongation at break	500%
Maximum allowable tension	2.4N/mm
Maximum allowable elongation	8.0%

Coefficient of friction

Top	vs. Steel	0.4~0.5
	vs. Paper	0.5~0.6
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