NITTA

Technical Datasheet

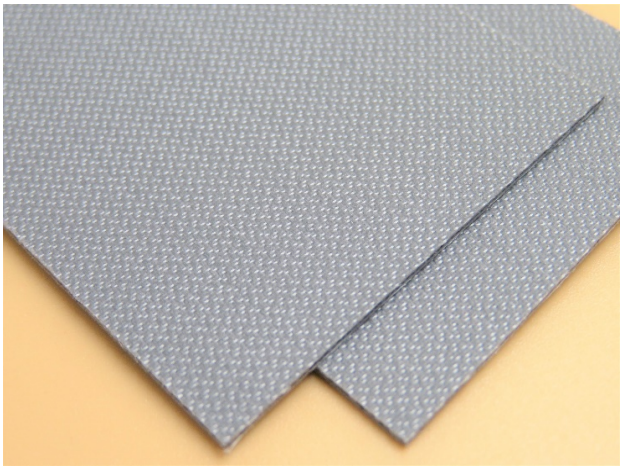
PolySprint ™ Conveyor Belt

Belt type **TTF-4E10** PS-021 Ver.3

Applications

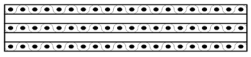
- Bookbinding machine
- Postal machine
- Light duty conveyor

Construction



	Top side	Bottom side
	Special polyamide	Special polyamide
	Fabric	Fabric
	Gray	Gray

	Tension member	Splice
	Polyester	Finger
	Fabric	(10×30)

Construction 

Dimensions

Width/Roll (max.)	340mm
Width/Endless (max.)	340mm
Length (max.)	100m
Total thickness	1.0mm
Weight	1.0 Kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
Will not damage conveyed goods
Accumulation
Slider bed
Roller bed
Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	
Finger	15mm
Back flexing	
Finger	15mm

Dynamic properties

Standard elongation	1.0%
Tension after relaxation at 1.0% *	4.0N/mm
Initial tension at 2.0%	9.0N/mm
Tension after relaxation at 2.0% *	6.0N/mm
Operating temperature range	-20~60℃

*After 200hrs running-in

Tensile properties

Tensile strength	45N/mm
Elongation at break	13%
Maximum allowable tension	9.0N/mm
Maximum allowable elongation	2.0%

Coefficient of friction

Top	vs. Steel	0.1~0.2
	vs. Paper	0.2~0.3
Bottom	vs. Steel	0.1~0.2
	vs. Paper	0.2~0.3
	vs. Lagged pulley	0.3~0.5
	vs. POM (resin)	0.1~0.3

※The contents of this Technical Data Sheet may be changed without notice.

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