NITTA

Technical Datasheet

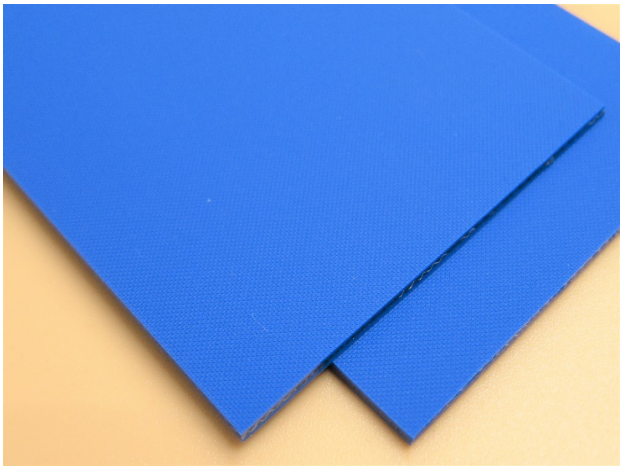
PolySprint ™ Conveyor Belt

Belt type **DB-4E14** PS-012 Ver.4

Applications

- Paper straw
- Bookbinding machine
- Postal machine
- Packaging machine
- Light duty conveyor

Construction



	Top side	Bottom side
	TPU	TPU
	Taffeta pattern	Taffeta pattern
	Blue	Blue

	Tension member	Splice
	Polyester	Finger
	Fabric	(10×30)

Construction 

Dimensions

Width/Roll (max.)	340mm
Width/Endless (max.)	340mm
Length (max.)	100m
Total thickness	1.4mm
Weight	1.6 Kg/m^2

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
Roller bed
Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	
Finger	25mm
Back flexing	
Finger	25mm

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	0.4~0.5
	vs. Paper	0.5~0.6
Bottom	vs. Steel	0.4~0.5
	vs. Paper	0.5~0.6
	vs. Lagged pulley	0.6~0.8
	vs. POM (resin)	0.4~0.6

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