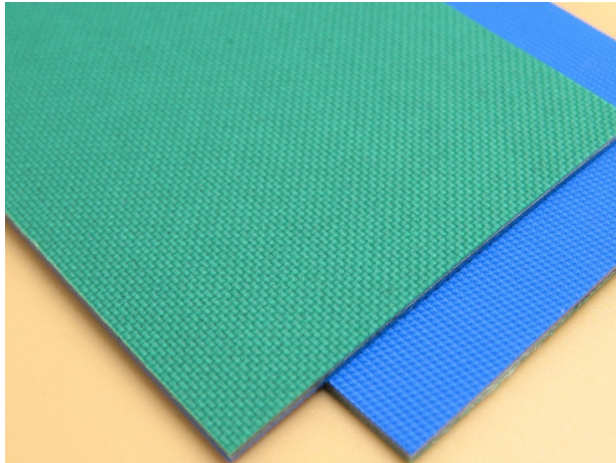


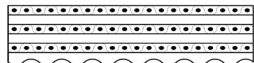
Technical Datasheet	<i>PolySprint™</i> Belt type	Conveyor Belt FZ-5E12 PS-089 Ver.3
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Applications

- Bookbinding machine
- Printing press
- Light duty conveyor

Construction



<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Top side</td> <td style="padding: 2px;">Bottom side</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">Special polyamide</td> <td style="border-bottom: 1px solid black; padding: 2px;">NBR</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">NBR-impreg. fabric</td> <td style="border-bottom: 1px solid black; padding: 2px;">Textured surface</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">Green</td> <td style="border-bottom: 1px solid black; padding: 2px;">Blue</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Tension member</td> <td style="padding: 2px;">Splice</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">Polyester</td> <td style="border-bottom: 1px solid black; padding: 2px;">Finger</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">Fabric</td> <td style="border-bottom: 1px solid black; padding: 2px;">(10×30, 5×35)</td> </tr> </table> <p style="margin: 0;">Construction </p>	Top side	Bottom side	Special polyamide	NBR	NBR-impreg. fabric	Textured surface	Green	Blue	Tension member	Splice	Polyester	Finger	Fabric	(10×30, 5×35)	
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Fabric	(10×30, 5×35)														

Dimensions

Width/Roll (max.)	500mm
Width/Endless (max.)	500mm
Length (max.)	100m
Total thickness	1.25mm
Weight	1.2 Kg/m ²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

- Antistatic
- Moderate friction
- High lateral rigidity
- Slider bed
- Roller bed
- Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	Finger	25mm
Back flexing	Finger	35mm

Dynamic properties

Standard elongation	1.0%
Tension after relaxation at 1.0% [*]	5.0N/mm
Initial tension at 2.0%	11.0N/mm
Tension after relaxation at 2.0% [*]	7.0N/mm
Operating temperature range	-20~60°C

^{*}After 200hrs running-in

Tensile properties

Tensile strength	90N/mm
Elongation at break	13%
Maximum allowable tension	11.0N/mm
Maximum allowable elongation	2.0%

Coefficient of friction

Top	vs. Steel	0.3~0.4
	vs. Paper	0.4~0.5
Bottom	vs. Steel	0.5~0.6
	vs. Paper	0.6~0.7
	vs. Lagged pulley	0.7~0.9
	vs. POM (resin)	0.5~0.7