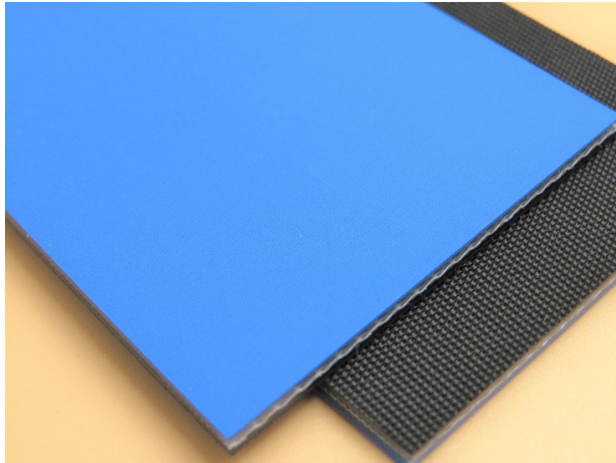


Technical Datasheet	<i>PolySprint™</i>	Power Transmission and Conveyor Belt
	Belt type	TFL-15E20
		PS-042 Ver.5

Applications

- Ring spinning machine
- General transmission belt
- Postal machine
- Textile machine(Tangential belt, TFO twister)

Construction



Top side	Bottom side
NBR	NBR
Taffeta pattern	Textured surface
Dark blue	Black

Tension member	Splice
Polyester	Finger
Fabric	(10×120)

Construction



Dimensions

Width/Roll (max.)	500mm
Width/Endless (max.)	100mm
Length (max.)	200m
Total thickness	2.0mm
Weight	2.3 Kg/m ²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

- Antistatic
- Whisper
- Energy saving
- 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% *		15.0N/mm
Initial tension at 2.0%		37.0N/mm
Tension after relaxation at 2.0% *		25.0N/mm
Operating temperature range		0~60°C

*After 200hrs running-in

Tensile properties

Tensile strength	150N/mm
Elongation at break	10%
Maximum allowable tension	37.0N/mm
Maximum allowable elongation	2.0%

Coefficient of friction

Top	vs. Steel	0.5~0.6
	vs. Paper	0.6~0.7
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