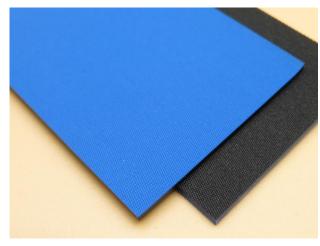


Technical Datasheet	PolySprint ™		Conveyor Belt
	Belt type	GTD	PS-057 ver.0
Applications  • Bookbinding machine  • Postal machine			

## Construction

Light duty conveyor



Top side	Bottom side
NBR	Conductive resin
Textured surface	Textured surface
Dark blue	Black

ension member	Splice	
-	Finger	
-	(10×30)	

Constru	ction
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Dimensions	
Width/Roll (max.)	
	450mm
Width/Endless (max.)	
	450mm
Length (max.)	
	100m
Total thickness	
	1.45mm
Weight	

 $\label{eq:local_control} 1.7~Kg/m^2$  @Please contact Nitta if you need other dimensions.

### Regulatory compliance

RoHS(2011/65/EC) REACH regulation

#### **Features**

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

# **Properties**

Minimur	n pulley diameter
Flexing	
Finger	25mm
Back flexin	g
Finger	25mm

### **Dynamic properties**

,
Standard elongation
5.0%
Tension after relaxation at $5.0\%$
1.1N/mm
Initial tension at 8.0%
3.5N/mm
Tension after relaxation at 8.0% $^{\star}$
1.8N/mm
Operating temperature range
0~60°C

\*After 200hrs running-in

### **Tensile properties**

Tensile strength
35N/mm
Elongation at break
400%
Maximum allowable tension
3.5N/mm
Maximum allowable elongation
8.0%

## **Coefficient of friction**

Тор	vs. Steel
	0.7~0.8
	vs. Paper
	0.8~0.9
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

#### NITTA CORPORATION