NITTA

Technical Datasheet	*PolySprint* ™	Conveyor Belt
	Belt type **TA12-BK**	PS-090 Ver.5-a

Applications

・ Belt on roller / MDR
・ Bookbinding machine
・ Postal machine
・ Logistics
・ Light duty conveyor

Construction
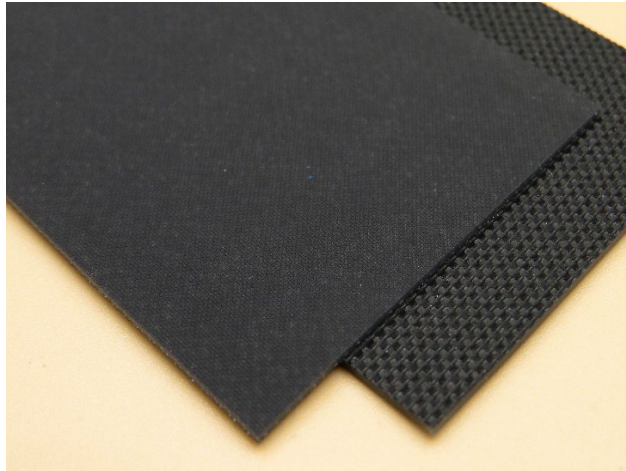
	Top side	Bottom side
	TPU	Conductive resin
	Taffeta pattern	Rough pattern
	Clear	Black

	Tension member	Splice
	-	Finger
	-	(10×30, 20×20)
		Skiver

Construction

Dimensions

Width/Roll (max.)	
	1000mm
Width/Endless (max.)	
	1000mm
Length (max.)	
	100m(160m up to 800mmW)
Total thickness	
	1.2mm
Weight	
	1.1 Kg/m^2

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
No tensioning device required
Keep conveyed goods clean
Flame retardant : UL-94 HB
Slider bed
Roller bed
Easy splice with NITTA tool

Properties

Minimum pulley diameter

Flexing	
Finger	25mm
Back flexing	
Finger	25mm

Dynamic properties

Standard elongation	
	2.0%
Tension after relaxation at 2.0% *	
	0.2N/mm
Initial tension at 8.0%	
	1.6N/mm
Tension after relaxation at 8.0% *	
	0.8N/mm
Operating temperature range	
	-20~60℃

*After 200hrs running-in

Tensile properties

Tensile strength	
	25N/mm
Elongation at break	
	500%
Maximum allowable tension	
	1.6N/mm
Maximum allowable elongation	
	8.0%

Coefficient of friction

Top	vs. Steel	
		0.4~0.5
	vs. Paper	
		0.5~0.6
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

Issued by Industrial Products Div.

2022/7/26