



Technical Datasheet		PolySprint™ Belt type	Conveyor Belt NTA	PS-005 ver.0
Applications				
<ul style="list-style-type: none"> ▪ Bookbinding machine ▪ Postal machine ▪ Belt on roller / MDR 		<ul style="list-style-type: none"> ▪ Packaging machine ▪ Light duty conveyor 		
Construction				
		Top side	Bottom side	
		-	Conductive resin	
		Knit	Rough pattern	
		Blue	Black	
		Tension member	Splice	
		-	Finger	
		-	(10×30, 20×20)	
			Skiver	
		Construction		
Dimensions		Properties		
Width/Roll (max.)	550mm	Minimum pulley diameter		
Width/Endless (max.)	550mm	Flexing		
Length (max.)	100m	Finger 25mm		
Total thickness	1.0mm	Skiver 25mm		
Weight	0.9 Kg/m ²	Back flexing		
		Finger 25mm		
		Skiver 25mm		
		Tensile properties		
		Tensile strength		
		10N/mm		
		Elongation at break		
		150%		
		Maximum allowable tension		
		1.6N/mm		
		Maximum allowable elongation		
		8.0%		
		Dynamic properties		
		Standard elongation		
		5.0%		
		Tension after relaxation at 5.0% *		
		0.5N/mm		
		Initial tension at 8.0%		
		1.6N/mm		
		Tension after relaxation at 8.0% *		
		0.8N/mm		
		Operating temperature range		
		-20~60°C		
		*After 200hrs running-in		
		Coefficient of friction		
		Top	vs. Steel	0.1~0.2
			vs. Paper	0.2~0.3
		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
Regulatory compliance				
RoHS(2011/65/EC)				
REACH regulation				
Features				
Antistatic				
No tensioning device required				
Will not damage conveyed goods				
Accumulation				
Cut resistance				
Slider bed				
Roller bed				
Easy splice with NITTA tool				