





Technical Datasheet		PolySprint™ Power Transmission and Conveyor Belt																			
		Belt type																			
		DG-8E25																			
		PS-115 Ver.0																			
Applications																					
▪ Right angle transfer / RAT																					
Construction																					
		<table><tr><td>Top side</td><td>Bottom side</td></tr><tr><td>TPU</td><td>TPU</td></tr><tr><td>Taffeta pattern</td><td>Taffeta pattern</td></tr><tr><td>Green</td><td>Green</td></tr><tr><td>Tension member</td><td>Splice</td></tr><tr><td>Polyester</td><td>Finger(10×70)</td></tr><tr><td>Fabric</td><td></td></tr><tr><td></td><td></td></tr><tr><td>Construction</td><td></td></tr></table>		Top side	Bottom side	TPU	TPU	Taffeta pattern	Taffeta pattern	Green	Green	Tension member	Splice	Polyester	Finger(10×70)	Fabric				Construction	
Top side	Bottom side																				
TPU	TPU																				
Taffeta pattern	Taffeta pattern																				
Green	Green																				
Tension member	Splice																				
Polyester	Finger(10×70)																				
Fabric																					
Construction																					
Dimensions																					
Width/Roll (max.)		500mm																			
Width/Endless (max.)		100mm																			
Length (max.)		200m																			
Total thickness		2.5mm																			
Weight		3.0 Kg/m²																			
Please contact Nitta if you need other dimensions.																					
Regulatory compliance																					
RoHS(2011/65/EC, (EU)2015/863)																					
Features																					
Antistatic																					
Available in low temperatures																					
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% *		8.0N/mm																			
Initial tension at 2%		18.0N/mm																			
Tension after relaxation at 2% *		12.0N/mm																			
Operating temperature range		-20~60°C																			
*After 200hrs running-in																					
Tensile properties																					
Tensile strength		90N/mm																			
Elongation at break		13%																			
Maximum allowable tension		18.0N/mm																			
Maximum allowable elongation		2%																			
Coefficient of friction																					
Top		vs. Steel																			
		0.4~0.5																			
		vs. Paper																			
		0.5~0.6																			
Bottom		vs. Steel																			
		0.4~0.5																			
		vs. Paper																			
		0.5~0.6																			
		vs. Lagged pulley																			
		0.6~0.8																			
		vs. POM (resin)																			
		0.4~0.6																			

NITTA CORPORATION