

Technical Datasheet		Conveyor Belt	
Belt type		SI-12A	
		S-002 Ver.8	
Applications - Food conveyance - Incline / Decline conveyor - Light duty conveyor			
Construction			
	Top side		Bottom side
	Silicone		Polyester
	0.4mm		-
	Flat		Fabric
	White		White
	Tension member		Splice
	Polyester		Finger
	Fabric		
	2ply		
	Construction		
Dimensions		Properties	
Width/Roll (max.)		Minimum pulley diameter	
1,000mm		Flexing	
Width/Endless (max.)		Finger	
960mm		30mm	
Length (max.)		-	
100m		Back flexing	
Total thickness		Finger	
1.2mm		30mm	
Weight		-	
1.4 kg/m²		Knife edge	
		-	
Please contact Nitta if you need other dimensions.		Dynamic properties	
Regulatory compliance		Standard elongation	
Food Sanitation Act (Japan)		0.5%	
RoHS(2011/65/EC,		Tension after relaxation at 0.5%	
(EU)2015/863)		2.0N/mm	
		Initial tension at 1.0%	
		8.0N/mm	
		Tension after relaxation at 1.0%	
		4.0N/mm	
		Operating temperature range	
		-20~150°C	
		Operating temperature range*	
		-20~150°C	
		*When under continuous use	
Features		Tensile properties	
Antistatic		Tensile strength	
Heat resistance		120N/mm	
High release		Elongation at break	
Easy to clean		15%	
High grip		Maximum allowable tension	
Non-fray fabric		8.0N/mm	
Incline conveyance		Maximum allowable elongation	
Slider bed		1.0%	
Roller bed		Coefficient of friction	
		Top vs. Steel	
		0.8~0.9	
		vs. Paper	
		0.9~1.0	
		Bottom vs. Steel	
		0.1~0.3	
		vs. Lagged pulley	
		0.3~0.6	
		vs. POM (resin)	
		0.1~0.4	
NITTA CORPORATION			

※The contents of this Technical Data Sheet may be changed without notice.