

Technical Datasheet	NLG™	Conveyor Belt
	Belt type	<b>SI-12A</b> S-002 Ver.5

### 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

Width/Roll (max.)	960mm
Width/Endless (max.)	960mm
Length (max.)	100m
Total thickness	1.2mm
Weight	1.4 Kg/m <sup>2</sup>

Please contact Nitta if you need other dimensions.

### Regulatory compliance

Food Sanitation Act (Japan)  
RoHS(2011/65/EC,  
(EU)2015/863)

### Features

Antistatic  
Heat resistance  
High release  
Easy to clean  
High grip  
Non-fray fabric  
Incline conveyance  
Slider bed  
Roller bed

### Properties

#### Minimum pulley diameter

Flexing	
Finger	30mm
	-
Back flexing	
Finger	30mm
	-
Knife edge	
	-

#### Dynamic properties

Standard elongation	0.5%
Tension after relaxation at 0.5%	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

#### Tensile properties

Tensile strength	120N/mm
Elongation at break	15%
Maximum allowable tension	8.0N/mm
Maximum allowable elongation	1.0%

#### Coefficient of friction

Top	vs. Steel	0.8~0.9
	vs. Paper	0.9~1.0
Bottom	vs. Steel	0.2~0.3
	vs. Lagged pulley	0.4~0.6
	vs. POM (resin)	0.2~0.4