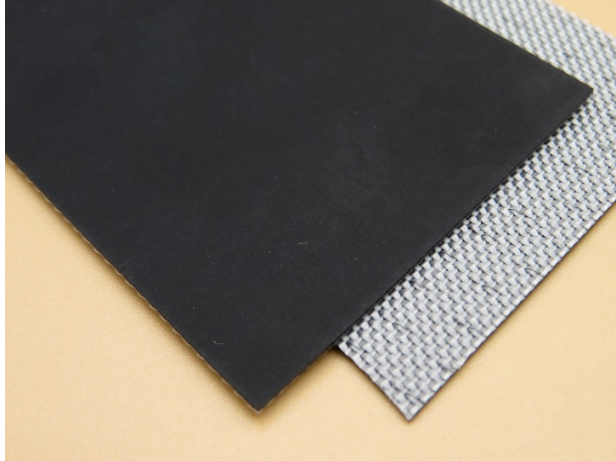


Technical Datasheet	NLG™	Conveyor Belt
	Belt type	BU-12A U-031 Ver.4

Applications

- Conveyance of electronic components
- Medium duty conveyor

Construction



Top side	Bottom side
Conductive TPU	Polyester
0.3mm	-
Matte Surface	Fabric
Black	White

Tension member	Splice
Polyester	Finger
Fabric	Skiver
2ply	

Construction 

Dimensions

Width/Roll (max.)	1,000mm
Width/Endless (max.)	1,000mm
Length (max.)	100m
Total thickness	1.3mm
Weight	1.3 Kg/m ²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Antistatic
High conductivity
Surface resistivity (TPU)
: 10⁴~10⁶ Ω/sq
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing	
Finger	45mm
Skiver	50mm
Back flexing	
Finger	50mm
Skiver	50mm
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	-20~80°C
Operating temperature range*	-20~80°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	0.3~0.4
	vs. Paper	0.4~0.5
Bottom	vs. Steel	0.2~0.3
	vs. Lagged pulley	0.4~0.6
	vs. POM (resin)	0.2~0.4