

Technical Datasheet

Belt type

BU-12A

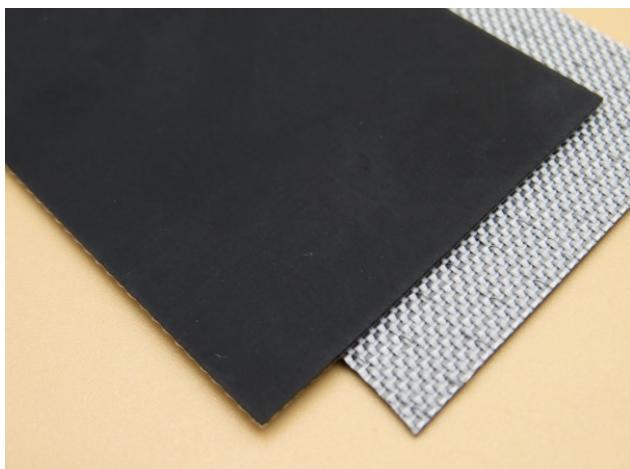
Conveyor Belt

U-031 Ver.7

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)
: $10^4 \sim 10^6 \Omega/\text{sq}$
- Slider bed
- Roller bed

Properties

Minimum pulley diameter	
Flexing	
Finger	35mm
Skiver	50mm
Back flexing	
Finger	40mm
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	0.1~0.3
vs. Lagged pulley	0.3~0.6
vs. POM (resin)	0.1~0.4