

Technical Datasheet	Conveyor Belt	
	Belt type	GU-3AK

U-011 Ver.6

Applications

- Skirt belt (side cover)
- Light duty conveyor

Construction



Top side

TPU
0.3mm
Matte surface
Green

Bottom side

Polyester
-
Fabric
White

Tension member

Polyester
Fabric
1ply

Splice

Finger
Skiver

Construction



Dimensions

Width/Roll (max.)

1,000mm

Width/Endless (max.)

1,000mm

Length (max.)

30m

Total thickness

0.6mm

Weight

0.6 kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Skirt belt
Low bending stress/High flexibility
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing

Finger

10mm

Skiver

20mm

Back flexing

Finger

15mm

Skiver

20mm

Knife edge

Finger

R2

Dynamic properties

Standard elongation

0.5%

Tension after relaxation at 0.5%

0.5N/mm

Initial tension at 1.0%

2.0N/mm

Tension after relaxation at 1.0%

1.0N/mm

Operating temperature range

-20~80°C

Operating temperature range*

-20~80°C

*When under continuous use

Tensile properties

Tensile strength

30N/mm

Elongation at break

15%

Maximum allowable tension

2.0N/mm

Maximum allowable elongation

1.0%

Coefficient of friction

Top vs. Steel

0.4~0.5

vs. Paper

0.5~0.6

Bottom vs. Steel

0.1~0.3

vs. Lagged pulley

0.3~0.6

vs. POM (resin)

0.1~0.4