

Technical Datasheet	Conveyor Belt	
	Belt type	GUC-24AK
		U-053 Ver.6

Applications

- Material handling
- Steel plate conveyance
- Incline / Decline conveyor
- Heavy duty conveyor

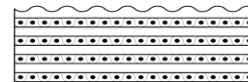
Construction



Top side	Bottom side
TPU	Polyester
0.5mm	-
C pattern	Fabric
Green	White

Tension member	Splice
Polyester	Finger
Fabric	Skiver
4ply	

Construction



Dimensions

Width/Roll (max.)	1,850mm
Width/Endless (max.)	1,850mm
Length (max.)	100m
Total thickness	2.8mm
Weight	2.7 kg/m ²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Incline conveyance
Cut resistance
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing	
Finger	70mm
Skiver	150mm
Back flexing	
Finger	80mm
Skiver	150mm
Knife edge	-

Dynamic properties

Standard elongation	0.5%
Tension after relaxation at 0.5%	4.0N/mm
Initial tension at 1.0%	16.0N/mm
Tension after relaxation at 1.0%	8.0N/mm
Operating temperature range	-20~80°C
Operating temperature range*	-20~80°C

*When under continuous use

Tensile properties

Tensile strength	240N/mm
Elongation at break	15%
Maximum allowable tension	16.0N/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