

Technical Datasheet	Conveyor Belt	
	Belt type	EC-20CK

C-018 Ver.6

Applications

- Material handling
- Steel plate conveyance
- Heavy duty conveyor

Construction



Top side

PVC
2.0mm
Mirror surface
White

Bottom side

PVC
0.6mm
SQPR pattern
White

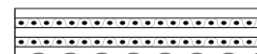
Tension member

Polyester
Fabric
2ply

Splice

Skiver
Finger

Construction



Dimensions

Width/Roll (max.)

3,000mm

Width/Endless (max.)

3,000mm

Length (max.)

100m

Total thickness

4.4mm

Weight

5.3 kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Cut resistance
High lateral rigidity
Wider widths are available
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing

Skiver 150mm

Finger 100mm

Back flexing

Skiver 150mm

Finger 100mm

Knife edge

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Dynamic properties

Standard elongation

0.5%

Tension after relaxation at 0.5%

3.0N/mm

Initial tension at 1.0%

12.0N/mm

Tension after relaxation at 1.0%

6.0N/mm

Operating temperature range

-5~70°C

Operating temperature range*

-5~70°C

*When under continuous use

Tensile properties

Tensile strength

200N/mm

Elongation at break

20%

Maximum allowable tension

12.0N/mm

Maximum allowable elongation

1.0%

Coefficient of friction

Top vs. Steel

0.7~0.8

vs. Paper

0.8~0.9

Bottom vs. Steel

0.3~0.4

vs. Lagged pulley

0.5~0.7

vs. POM (resin)

0.3~0.5