

Technical Datasheet	Conveyor Belt	
	Belt type	WP-8BK

P-001 Ver.4

Applications

- Food conveyance
- Light duty conveyor
- Rice conveyor

Construction



Top side

Polyester elastomer

0.7mm

Matte surface

White

Bottom side

Polyester elastomer

0.7mm

Matte surface

White

Tension member

Aramid / Polyester

Fabric

1ply

Splice

Skiver

Welding

Construction



Dimensions

Width/Roll (max.)

1,500mm

Width/Endless (max.)

1,500mm

Length (max.)

50m

Total thickness

1.7mm

Weight

2.0 kg/m²

Please contact Nitta if you need other dimensions.

Regulatory compliance

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

Features

Heat resistance
High release
Easy to clean
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing

Skiver

100mm

Welding

70mm

Back flexing

Skiver

100mm

Welding

70mm

Knife edge

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Dynamic properties

Standard elongation

0.3%

Tension after relaxation at 0.3%

1.5N/mm

Initial tension at 0.5%

5.0N/mm

Tension after relaxation at 0.5%

2.5N/mm

Operating temperature range

-20~120°C

Operating temperature range*

-20~120°C

*When under continuous use

Tensile properties

Tensile strength

60N/mm

Elongation at break

7%

Maximum allowable tension

5.0N/mm

Maximum allowable elongation

0.5%

Coefficient of friction

Top vs. Steel

0.3~0.4

vs. Paper

0.4~0.5

Bottom vs. Steel

0.3~0.4

vs. Lagged pulley

0.5~0.7

vs. POM (resin)

0.3~0.5