

Technical Datasheet

Belt type

P-0

P-004 Ver.5

Applications

- Clean conveyor
- Food conveyance
- Light duty conveyor

Construction



Top side

Polyester elastomer

0.8mm

Matte surface

White

Bottom side

Polyester elastomer

-

Matte surface

White

Tension member

Polyester elastomer

Resin

-

Splice

Welding

Skiver

Construction



Dimensions

Width/Roll (max.)

280mm

Width/Endless (max.)

280mm

Length (max.)

50m

Total thickness

0.8mm

Weight

0.7 kg/m²

※Maximum length is 6m in endless form.

Regulatory compliance

Food Sanitation Act (Japan)

RoHS(2011/65/EC,

(EU)2015/863)

Features

Class 100 clean room

No tensioning device required

High release

Slider bed

Roller bed

Properties

Minimum pulley diameter

Flexing

Welding

15mm

Skiver

20mm

Back flexing

Welding

15mm

Skiver

20mm

Knife edge

-

Dynamic properties

Standard elongation

2.0%

Tension after relaxation at 2.0%

1.2N/mm

Initial tension at 4.0%

4.8N/mm

Tension after relaxation at 4.0%

2.4N/mm

Operating temperature range

-10~60°C

Operating temperature range*

-10~60°C

*When under continuous use

Tensile properties

Tensile strength

47N/mm

Elongation at break

700%

Maximum allowable tension

4.8N/mm

Maximum allowable elongation

4.0%

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