

Technical Datasheet

Belt type

PE-100-3

P-005 Ver.6

Applications

- Clean conveyor
- Light duty conveyor

Construction



Top side

Polyester elastomer

0.55mm

Matte surface

White

Bottom side

Conductive layer

-

Matte surface

Black

Tension member

Polyester elastomer

Resin

-

Splice

Welding

Construction

Dimensions

Width/Roll (max.)

150mm

Width/Endless (max.)

150mm

Length (max.)

50m

Total thickness

0.55mm

Weight

0.5 kg/m²

※Maximum length is 6m in endless form.

Regulatory compliance

Food Sanitation Act (Japan)

RoHS(2011/65/EC,

(EU)2015/863)

Features

Antistatic

No tensioning device required

High conductivity

Surface resistivity (Black side)

: 10²~10⁴ Ω/sq

High release

Slider bed

Roller bed

Properties

Minimum pulley diameter

Flexing

Welding

15mm

-

Back flexing

Welding

15mm

-

Knife edge

-

Dynamic properties

Standard elongation

2.0%

Tension after relaxation at 2.0%

0.7N/mm

Initial tension at 4.0%

2.8N/mm

Tension after relaxation at 4.0%

1.4N/mm

Operating temperature range

-10~40°C

Operating temperature range*

-10~40°C

*When under continuous use

Tensile properties

Tensile strength

5N/mm

Elongation at break

30%

Maximum allowable tension

2.8N/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