

| Technical Datasheet | Conveyor Belt |             |
|---------------------|---------------|-------------|
|                     | Belt type     | U-102 Ver.7 |

### Applications

- Food conveyance
- Light duty conveyor
- Dough conveyor

### Construction



|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Top side       | Bottom side                                                                         |
| Polyester      | Polyester                                                                           |
| -              | -                                                                                   |
| Fabric         | Fabric                                                                              |
| White          | White                                                                               |
| Tension member | Splice                                                                              |
| Polyester      | Finger                                                                              |
| Fabric         | Skiver                                                                              |
| 1ply           |                                                                                     |
| Construction   |  |

### Dimensions

|                      |                       |
|----------------------|-----------------------|
| Width/Roll (max.)    | 1,500mm               |
| Width/Endless (max.) | 1,500mm               |
| Length (max.)        | 100m                  |
| Total thickness      | 0.8mm                 |
| Weight               | 0.8 kg/m <sup>2</sup> |

Please contact Nitta if you need other dimensions.

### Regulatory compliance

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

### Features

Antistatic  
Flat surface  
High lateral rigidity  
Accumulation  
Slider bed  
Roller bed

### Properties

#### Minimum pulley diameter

|              |      |
|--------------|------|
| Flexing      |      |
| Finger       | 15mm |
| Skiver       | 25mm |
| Back flexing |      |
| Finger       | 15mm |
| Skiver       | 25mm |
| Knife edge   | -    |

#### Dynamic properties

|                                  |          |
|----------------------------------|----------|
| Standard elongation              | 0.3%     |
| Tension after relaxation at 0.3% | 0.6N/mm  |
| Initial tension at 1.0%          | 4.0N/mm  |
| Tension after relaxation at 1.0% | 2.0N/mm  |
| Operating temperature range      | -20~80°C |
| Operating temperature range*     | -20~80°C |

\*When under continuous use

#### Tensile properties

|                              |         |
|------------------------------|---------|
| Tensile strength             | 70N/mm  |
| Elongation at break          | 35%     |
| Maximum allowable tension    | 4.0N/mm |
| Maximum allowable elongation | 1.0%    |

#### Coefficient of friction

|        |                   |         |
|--------|-------------------|---------|
| Top    | vs. Steel         | 0.1~0.3 |
|        | vs. Paper         | 0.2~0.4 |
| Bottom | vs. Steel         | 0.1~0.3 |
|        | vs. Lagged pulley | 0.3~0.6 |
|        | vs. POM (resin)   | 0.1~0.4 |