

| Technical Datasheet | Conveyor Belt |               |
|---------------------|---------------|---------------|
|                     | Belt type     | <b>GUM-9A</b> |
|                     |               | U-043 Ver.5   |

### Applications

- Material handling
- Food conveyance
- Incline / Decline conveyor
- Light duty conveyor

### Construction



|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Top side       | Bottom side                                                                         |
| TPU            | Polyester                                                                           |
| 0.3mm          | -                                                                                   |
| M pattern      | Fabric                                                                              |
| Green          | White                                                                               |
| Tension member | Splice                                                                              |
| Polyester      | Finger                                                                              |
| Fabric         | Skiver                                                                              |
| 2ply           |                                                                                     |
| Construction   |  |

### Dimensions

|                      |                       |
|----------------------|-----------------------|
| Width/Roll (max.)    | 1,000mm               |
| Width/Endless (max.) | 1,000mm               |
| Length (max.)        | 100m                  |
| Total thickness      | 1.2mm                 |
| Weight               | 1.1 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  
Incline conveyance  
Slider bed  
Roller bed

### Properties

#### Minimum pulley diameter

|              |      |
|--------------|------|
| Flexing      |      |
| Finger       | 15mm |
| Skiver       | 40mm |
| Back flexing |      |
| Finger       | 20mm |
| Skiver       | 40mm |
| Knife edge   |      |
| Finger       | R5   |

#### Dynamic properties

|                                  |          |
|----------------------------------|----------|
| Standard elongation              | 0.5%     |
| Tension after relaxation at 0.5% | 1.5N/mm  |
| Initial tension at 1.0%          | 6.0N/mm  |
| Tension after relaxation at 1.0% | 3.0N/mm  |
| Operating temperature range      | -20~80°C |
| Operating temperature range*     | -20~80°C |

\*When under continuous use

#### Tensile properties

|                              |         |
|------------------------------|---------|
| Tensile strength             | 90N/mm  |
| Elongation at break          | 15%     |
| Maximum allowable tension    | 6.0N/mm |
| Maximum allowable elongation | 1.0%    |

#### Coefficient of friction

|        |                   |         |
|--------|-------------------|---------|
| Top    | vs. Steel         | 0.4~0.5 |
|        | vs. Paper         | 0.5~0.6 |
| Bottom | vs. Steel         | 0.1~0.3 |
|        | vs. Lagged pulley | 0.3~0.6 |
|        | vs. POM (resin)   | 0.1~0.4 |