

| Technical Datasheet                                                               |                     | Cover Belt                       |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------|----------------------------------|-------------------------------------------------------------------------------------|
| Belt type                                                                         |                     | PE-100                           |                                                                                     |
|                                                                                   |                     | P-002 Ver.6                      |                                                                                     |
| Applications                                                                      |                     |                                  |                                                                                     |
| <div><div></div><div>Clean conveyor</div><div>Light duty conveyor</div></div>     |                     |                                  |                                                                                     |
| Construction                                                                      |                     |                                  |                                                                                     |
|  | Top side            |                                  | Bottom side                                                                         |
|                                                                                   | Polyester elastomer |                                  | Polyester elastomer                                                                 |
|                                                                                   | 0.5mm               |                                  | -                                                                                   |
|                                                                                   | Matte surface       |                                  | Matte surface                                                                       |
|                                                                                   | Gray                |                                  | Gray                                                                                |
|                                                                                   | Tension member      |                                  | Splice                                                                              |
|                                                                                   | Polyester elastomer |                                  | Skiver                                                                              |
|                                                                                   | Resin               |                                  |                                                                                     |
|                                                                                   | -                   |                                  |                                                                                     |
|                                                                                   | Construction        |                                  |  |
| Dimensions                                                                        |                     | Properties                       |                                                                                     |
| Width/Roll (max.)                                                                 |                     | Minimum pulley diameter          |                                                                                     |
| 150mm                                                                             |                     | Flexing                          |                                                                                     |
| Width/Endless (max.)                                                              |                     | Skiver                           |                                                                                     |
| 150mm                                                                             |                     | 40mm                             |                                                                                     |
| Length (max.)                                                                     |                     | -                                |                                                                                     |
| 50m                                                                               |                     | Back flexing                     |                                                                                     |
| Total thickness                                                                   |                     | Skiver                           |                                                                                     |
| 0.5mm                                                                             |                     | 40mm                             |                                                                                     |
| Weight                                                                            |                     | -                                |                                                                                     |
| 0.6 kg/m²                                                                         |                     | Knife edge                       |                                                                                     |
|                                                                                   |                     | -                                |                                                                                     |
| *Maximum length is 6m in endless form.                                            |                     | Dynamic properties               |                                                                                     |
| Regulatory compliance                                                             |                     | Standard elongation              |                                                                                     |
| RoHS(2011/65/EC,                                                                  |                     | 1.0%                             |                                                                                     |
| (EU)2015/863)                                                                     |                     | Tension after relaxation at 1.0% |                                                                                     |
|                                                                                   |                     | 1.8N/mm                          |                                                                                     |
|                                                                                   |                     | Initial tension at 2.0%          |                                                                                     |
|                                                                                   |                     | 7.2N/mm                          |                                                                                     |
|                                                                                   |                     | Tension after relaxation at 2.0% |                                                                                     |
|                                                                                   |                     | 3.6N/mm                          |                                                                                     |
|                                                                                   |                     | Operating temperature range      |                                                                                     |
|                                                                                   |                     | -10~40°C                         |                                                                                     |
|                                                                                   |                     | Operating temperature range*     |                                                                                     |
|                                                                                   |                     | -10~40°C                         |                                                                                     |
|                                                                                   |                     | *When under continuous use       |                                                                                     |
| Features                                                                          |                     | Tensile properties               |                                                                                     |
| Antistatic                                                                        |                     | Tensile strength                 |                                                                                     |
| Class 100 clean room                                                              |                     | 11N/mm                           |                                                                                     |
| No tensioning device required                                                     |                     | Elongation at break              |                                                                                     |
| High release                                                                      |                     | 25%                              |                                                                                     |
| Slider bed                                                                        |                     | Maximum allowable tension        |                                                                                     |
| Roller bed                                                                        |                     | 7.2N/mm                          |                                                                                     |
|                                                                                   |                     | Maximum allowable elongation     |                                                                                     |
|                                                                                   |                     | 2.0%                             |                                                                                     |
|                                                                                   |                     | Coefficient of friction          |                                                                                     |
|                                                                                   |                     | Top vs. Steel                    |                                                                                     |
|                                                                                   |                     | 0.2~0.3                          |                                                                                     |
|                                                                                   |                     | vs. Paper                        |                                                                                     |
|                                                                                   |                     | 0.3~0.4                          |                                                                                     |
|                                                                                   |                     | Bottom vs. Steel                 |                                                                                     |
|                                                                                   |                     | 0.2~0.3                          |                                                                                     |
|                                                                                   |                     | vs. Lagged pulley                |                                                                                     |
|                                                                                   |                     | 0.4~0.6                          |                                                                                     |
|                                                                                   |                     | vs. POM (resin)                  |                                                                                     |
|                                                                                   |                     | 0.2~0.4                          |                                                                                     |
| NITTA CORPORATION                                                                 |                     |                                  |                                                                                     |

※The contents of this Technical Data Sheet may be changed without notice.