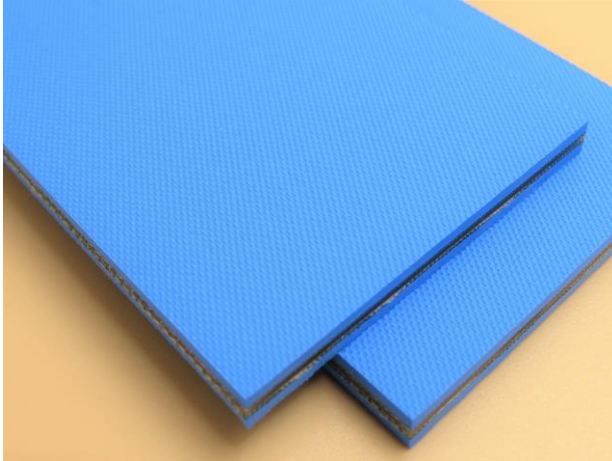


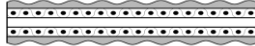
| | | |
|----------------------------|------------------|---|
| Technical Datasheet | PolyBelt™ | Power Transmission and Conveyor Belt |
| | Belt type | XH-500-4 |
| | | PB-050 ver.0 |

Applications

- Folder gluer
- Woodworking machine
- Light duty conveyor
- Tube winder

Construction



| | | | | | | | | | | | | | | | | | | | |
|---|---------------|-------------|-----|-----|-------|-------|---------------|---------------|------|------|----------------|--------|-----------|--------|------|--|-------|--|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Top side</td><td style="padding: 2px;">Bottom side</td></tr> <tr><td style="padding: 2px;">NBR</td><td style="padding: 2px;">NBR</td></tr> <tr><td style="padding: 2px;">1.4mm</td><td style="padding: 2px;">1.4mm</td></tr> <tr><td style="padding: 2px;">Rough pattern</td><td style="padding: 2px;">Rough pattern</td></tr> <tr><td style="padding: 2px;">Blue</td><td style="padding: 2px;">Blue</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Tension member</td><td style="padding: 2px;">Splice</td></tr> <tr><td style="padding: 2px;">Polyamide</td><td style="padding: 2px;">Skiver</td></tr> <tr><td style="padding: 2px;">Film</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">0.5mm</td><td style="padding: 2px;"></td></tr> </table> | Top side | Bottom side | NBR | NBR | 1.4mm | 1.4mm | Rough pattern | Rough pattern | Blue | Blue | Tension member | Splice | Polyamide | Skiver | Film | | 0.5mm | | <p>Construction </p> |
| Top side | Bottom side | | | | | | | | | | | | | | | | | | |
| NBR | NBR | | | | | | | | | | | | | | | | | | |
| 1.4mm | 1.4mm | | | | | | | | | | | | | | | | | | |
| Rough pattern | Rough pattern | | | | | | | | | | | | | | | | | | |
| Blue | Blue | | | | | | | | | | | | | | | | | | |
| Tension member | Splice | | | | | | | | | | | | | | | | | | |
| Polyamide | Skiver | | | | | | | | | | | | | | | | | | |
| Film | | | | | | | | | | | | | | | | | | | |
| 0.5mm | | | | | | | | | | | | | | | | | | | |

Dimensions

| | |
|----------------------|-----------------------|
| Width/Roll (max.) | 320mm |
| Width/Endless (max.) | 300mm |
| Length (max.) | 103m |
| Total thickness | 4.0mm |
| Weight | 4.3 Kg/m ² |

©Please contact Nitta if you need other dimensions.

Regulatory compliance

- RoHS(2011/65/EC)
- REACH regulation

Features

- Antistatic
- High grip
- Twist resistance
- Superior abrasion resistance
- Thicker (Extra Heavy) rubber type

Properties

| | |
|--------------------------------|------|
| Minimum pulley diameter | |
| Power Transmission Application | 60mm |
| Skiver | 60mm |
| Conveyor Application | |
| Skiver | 40mm |

Dynamic properties

| | |
|----------------------------------|----------|
| Standard elongation | 1.0% |
| Tension after relaxation at 1.0% | 3.8N/mm |
| Initial tension at 2.0% | 15.2N/mm |
| Tension after relaxation at 2.0% | 7.6N/mm |
| Operating temperature range | -20~80°C |
| Operating temperature range* | -20~80°C |

*When under continuous use

Tensile properties

| | |
|------------------------------|----------|
| Tensile strength | 150N/mm |
| Elongation at break | 20% |
| Maximum allowable tension | 15.2N/mm |
| Maximum allowable elongation | 2.0% |

Coefficient of friction

| | | | |
|--|--------|-------------------|---------|
| | Top | vs. Steel | 0.7~0.8 |
| | | vs. Paper | 0.8~0.9 |
| | Bottom | vs. Steel | 0.7~0.8 |
| | | vs. Paper | 0.8~0.9 |
| | | vs. Lagged pulley | 0.9~1.1 |
| | | vs. POM (resin) | 0.7~0.9 |