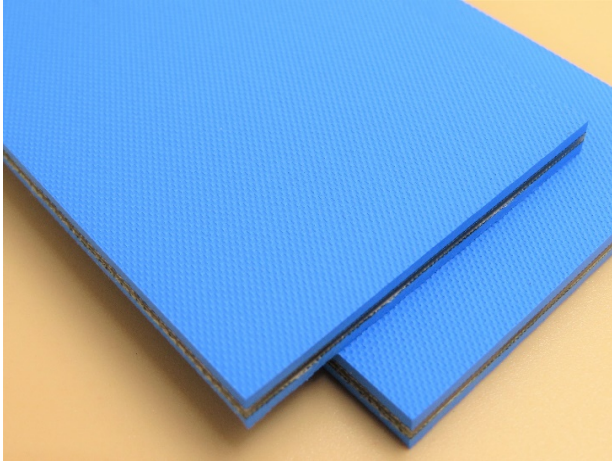


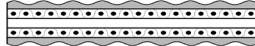
Technical Datasheet	PolyBelt™	Power Transmission and Conveyor Belt
	Belt type	XH-500-4
		PB-050 Ver.3

Applications

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

Construction



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<p>Dimensions</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Width/Roll (max.)</td><td style="text-align: right; padding: 2px;">320mm</td></tr> <tr><td style="padding: 2px;">Width/Endless (max.)</td><td style="text-align: right; padding: 2px;">300mm</td></tr> <tr><td style="padding: 2px;">Length (max.)</td><td style="text-align: right; padding: 2px;">103m</td></tr> <tr><td style="padding: 2px;">Total thickness</td><td style="text-align: right; padding: 2px;">4.0mm</td></tr> <tr><td style="padding: 2px;">Weight</td><td style="text-align: right; padding: 2px;">4.3 Kg/m²</td></tr> </table> <p style="font-size: small;">Please contact Nitta if you need other dimensions.</p> <p>Regulatory compliance</p> <p>RoHS(2011/65/EC, (EU)2015/863)</p> <p>Features</p> <ul style="list-style-type: none"> Antistatic High grip Twist resistance Superior abrasion resistance Thicker (Extra Heavy) rubber type 	Width/Roll (max.)	320mm	Width/Endless (max.)	300mm	Length (max.)	103m	Total thickness	4.0mm	Weight	4.3 Kg/m ²	<p>Properties</p> <p>Minimum pulley diameter</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Power Transmission Application</td><td style="padding: 2px;">Skiver</td><td style="text-align: right; padding: 2px;">60mm</td></tr> <tr><td style="padding: 2px;">Conveyor Application</td><td style="padding: 2px;">Skiver</td><td style="text-align: right; padding: 2px;">40mm</td></tr> </table> <p>Dynamic properties</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Standard elongation</td><td style="text-align: right; padding: 2px;">1.0%</td></tr> <tr><td style="padding: 2px;">Tension after relaxation at 1.0%</td><td style="text-align: right; padding: 2px;">3.8N/mm</td></tr> <tr><td style="padding: 2px;">Initial tension at 2.0%</td><td style="text-align: right; padding: 2px;">15.2N/mm</td></tr> <tr><td style="padding: 2px;">Tension after relaxation at 2.0%</td><td style="text-align: right; padding: 2px;">7.6N/mm</td></tr> <tr><td style="padding: 2px;">Operating temperature range</td><td style="text-align: right; padding: 2px;">-20~80°C</td></tr> <tr><td style="padding: 2px;">Operating temperature range*</td><td style="text-align: right; padding: 2px;">-20~80°C</td></tr> </table> <p style="font-size: x-small;">*When under continuous use</p>	Power Transmission Application	Skiver	60mm	Conveyor Application	Skiver	40mm	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	<p>Tensile properties</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Tensile strength</td><td style="text-align: right; padding: 2px;">150N/mm</td></tr> <tr><td style="padding: 2px;">Elongation at break</td><td style="text-align: right; padding: 2px;">20%</td></tr> <tr><td style="padding: 2px;">Maximum allowable tension</td><td style="text-align: right; padding: 2px;">15.2N/mm</td></tr> <tr><td style="padding: 2px;">Maximum allowable elongation</td><td style="text-align: right; padding: 2px;">2.0%</td></tr> </table> <p>Coefficient of friction</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Top</td><td style="padding: 2px;">vs. Steel</td><td style="text-align: right; padding: 2px;">0.7~0.8</td></tr> <tr><td></td><td style="padding: 2px;">vs. Paper</td><td style="text-align: right; padding: 2px;">0.8~0.9</td></tr> <tr><td style="padding: 2px;">Bottom</td><td style="padding: 2px;">vs. Steel</td><td style="text-align: right; padding: 2px;">0.7~0.8</td></tr> <tr><td></td><td style="padding: 2px;">vs. Paper</td><td style="text-align: right; padding: 2px;">0.8~0.9</td></tr> <tr><td></td><td style="padding: 2px;">vs. Lagged pulley</td><td style="text-align: right; padding: 2px;">0.9~1.1</td></tr> <tr><td></td><td style="padding: 2px;">vs. POM (resin)</td><td style="text-align: right; padding: 2px;">0.7~0.9</td></tr> </table>	Tensile strength	150N/mm	Elongation at break	20%	Maximum allowable tension	15.2N/mm	Maximum allowable elongation	2.0%	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
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