



Technical Datasheet	PolyBelt™	Power Transmission and Conveyor Belt
	Belt type	TTA-500 PN-026 Ver.0

Applications

Construction



Top side	Bottom side
Polyamide	Polyamide
-	-
Fabric	Fabric
Blue	Blue
Tension member	Splice
Polyamide	Skiver
Film	
0.5mm	

Construction 

<p>Dimensions</p> <p>Width/Roll (max.) 320mm</p> <p>Width/Endless (max.) 320mm</p> <p>Length (max.) 100m</p> <p>Total thickness 1.3mm</p> <p>Weight 1.2 Kg/m²</p> <p>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"> Superior abrasion resistance High lateral rigidity Slider bed Roller bed 	<p>Properties</p> <p>Minimum pulley diameter</p> <p>Power Transmission Application Skiver 50mm</p> <p>Conveyor Application Skiver 40mm</p> <p>Dynamic properties</p> <p>Standard elongation 1.0%</p> <p>Tension after relaxation at 1.0% 3.8N/mm</p> <p>Initial tension at 3.0% 22.5N/mm</p> <p>Tension after relaxation at 3.0% 11.3N/mm</p> <p>Operating temperature range -20~80°C</p> <p>Operating temperature range* -20~80°C</p> <p>*When under continuous use</p>	<p>Tensile properties</p> <p>Tensile strength 150N/mm</p> <p>Elongation at break 20%</p> <p>Maximum allowable tension 22.5N/mm</p> <p>Maximum allowable elongation 3.0%</p> <p>Coefficient of friction</p> <table border="1"> <tr> <td>Top</td> <td>vs. Steel</td> <td>0.2~0.3</td> </tr> <tr> <td></td> <td>vs. Paper</td> <td>0.3~0.4</td> </tr> <tr> <td>Bottom</td> <td>vs. Steel</td> <td>0.2~0.3</td> </tr> <tr> <td></td> <td>vs. Paper</td> <td>0.3~0.4</td> </tr> <tr> <td></td> <td>vs. Lagged pulley</td> <td>0.4~0.6</td> </tr> <tr> <td></td> <td>vs. POM (resin)</td> <td>0.2~0.4</td> </tr> </table>	Top	vs. Steel	0.2~0.3		vs. Paper	0.3~0.4	Bottom	vs. Steel	0.2~0.3		vs. Paper	0.3~0.4		vs. Lagged pulley	0.4~0.6		vs. POM (resin)	0.2~0.4
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