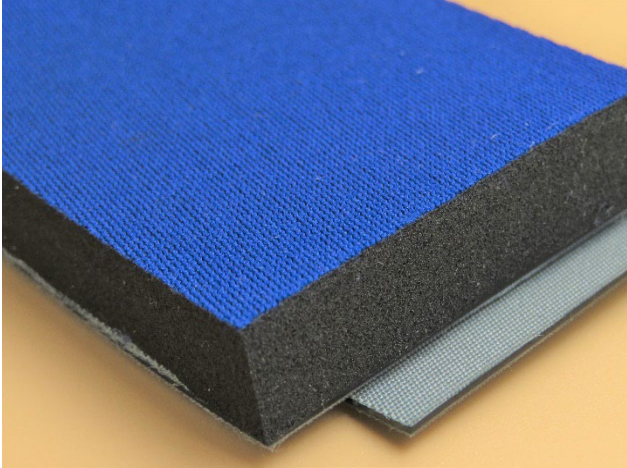
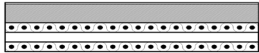
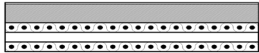
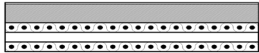


Technical Datasheet	PolyBelt™ Conveyor Belt																																																															
Belt type F-500-10J		PB-103 Ver.5																																																														
Applications <ul style="list-style-type: none"> ▪ Packaging machine ▪ Light duty conveyor ▪ Crimping apparatus 																																																																
Construction <div style="display: flex; align-items: flex-start;">  <table border="0" style="width: 70%;"> <tr> <td style="width: 50%; vertical-align: top;"> Top side Jersey - Fabric Dark blue Tension member Polyamide Film 0.5mm Construction </td> <td style="width: 50%; vertical-align: top;"> Bottom side Polyamide - Fabric Gray Splice Skiver  </td> </tr> </table> </div>			Top side Jersey - Fabric Dark blue Tension member Polyamide Film 0.5mm Construction	Bottom side Polyamide - Fabric Gray Splice Skiver 																																																												
Top side Jersey - Fabric Dark blue Tension member Polyamide Film 0.5mm Construction	Bottom side Polyamide - Fabric Gray Splice Skiver 																																																															
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> Dimensions <table border="0" style="width: 100%;"> <tr><td>Width/Roll (max.)</td><td>120mm</td></tr> <tr><td>Width/Endless (max.)</td><td>120mm</td></tr> <tr><td>Length (max.)</td><td>30m</td></tr> <tr><td>Total thickness</td><td>Approx.10.mm</td></tr> <tr><td>Weight</td><td>2.8 kg/m²</td></tr> </table> <p>Please contact Nitta if you need other dimensions.</p> </td> <td style="width: 33%; vertical-align: top;"> Properties <table border="0" style="width: 100%;"> <tr> <td>Minimum pulley diameter</td> <td>Tensile properties</td> </tr> <tr> <td>Power Transmission Application</td> <td>Tensile strength</td> </tr> <tr> <td>Skiver -</td> <td>150N/mm</td> </tr> <tr> <td>Conveyor Application</td> <td>Elongation at break</td> </tr> <tr> <td>Skiver 100mm</td> <td>20%</td> </tr> <tr> <td>Dynamic properties</td> <td>Maximum allowable tension</td> </tr> <tr> <td>Standard elongation</td> <td>22.8N/mm</td> </tr> <tr> <td>1.0%</td> <td>Maximum allowable elongation</td> </tr> <tr> <td>Tension after relaxation at 1.0%</td> <td>3.0%</td> </tr> <tr> <td>3.8N/mm</td> <td>Coefficient of friction</td> </tr> <tr> <td>Initial tension at 3.0%</td> <td>Top vs. Steel</td> </tr> <tr> <td>22.8N/mm</td> <td>0.1~0.3</td> </tr> <tr> <td>Tension after relaxation at 3.0%</td> <td>vs. Paper</td> </tr> <tr> <td>11.4N/mm</td> <td>0.2~0.4</td> </tr> <tr> <td>Operating temperature range</td> <td>Bottom vs. Steel</td> </tr> <tr> <td>-20~80°C</td> <td>0.1~0.3</td> </tr> <tr> <td>Operating temperature range*</td> <td>vs. Paper</td> </tr> <tr> <td>-20~80°C</td> <td>0.2~0.4</td> </tr> <tr> <td>*When under continuous use</td> <td>vs. Lagged pulley</td> </tr> <tr> <td></td> <td>0.3~0.6</td> </tr> <tr> <td></td> <td>vs. POM (resin)</td> </tr> <tr> <td></td> <td>0.1~0.4</td> </tr> </table> </td> </tr> <tr> <td style="width: 33%; vertical-align: top;"> Regulatory compliance RoHS(2011/65/EC, (EU)2015/863) </td> <td colspan="2"></td> </tr> <tr> <td style="vertical-align: top;"> Features Cushioning property Slider bed Roller bed </td> <td colspan="2"></td> </tr> </table>			Dimensions <table border="0" style="width: 100%;"> <tr><td>Width/Roll (max.)</td><td>120mm</td></tr> <tr><td>Width/Endless (max.)</td><td>120mm</td></tr> <tr><td>Length (max.)</td><td>30m</td></tr> <tr><td>Total thickness</td><td>Approx.10.mm</td></tr> <tr><td>Weight</td><td>2.8 kg/m²</td></tr> </table> <p>Please contact Nitta if you need other dimensions.</p>	Width/Roll (max.)	120mm	Width/Endless (max.)	120mm	Length (max.)	30m	Total thickness	Approx.10.mm	Weight	2.8 kg/m ²	Properties <table border="0" style="width: 100%;"> <tr> <td>Minimum pulley diameter</td> <td>Tensile properties</td> </tr> <tr> <td>Power Transmission Application</td> <td>Tensile strength</td> </tr> <tr> <td>Skiver -</td> <td>150N/mm</td> </tr> <tr> <td>Conveyor Application</td> <td>Elongation at break</td> </tr> <tr> <td>Skiver 100mm</td> <td>20%</td> </tr> <tr> <td>Dynamic properties</td> <td>Maximum allowable tension</td> </tr> <tr> <td>Standard elongation</td> <td>22.8N/mm</td> </tr> <tr> <td>1.0%</td> <td>Maximum allowable elongation</td> </tr> <tr> <td>Tension after relaxation at 1.0%</td> <td>3.0%</td> </tr> <tr> <td>3.8N/mm</td> <td>Coefficient of friction</td> </tr> <tr> <td>Initial tension at 3.0%</td> <td>Top vs. Steel</td> </tr> <tr> <td>22.8N/mm</td> <td>0.1~0.3</td> </tr> <tr> <td>Tension after relaxation at 3.0%</td> <td>vs. Paper</td> </tr> <tr> <td>11.4N/mm</td> <td>0.2~0.4</td> </tr> <tr> <td>Operating temperature range</td> <td>Bottom vs. Steel</td> </tr> <tr> <td>-20~80°C</td> <td>0.1~0.3</td> </tr> <tr> <td>Operating temperature range*</td> <td>vs. Paper</td> </tr> <tr> <td>-20~80°C</td> <td>0.2~0.4</td> </tr> <tr> <td>*When under continuous use</td> <td>vs. Lagged pulley</td> </tr> <tr> <td></td> <td>0.3~0.6</td> </tr> <tr> <td></td> <td>vs. POM (resin)</td> </tr> <tr> <td></td> <td>0.1~0.4</td> </tr> </table>	Minimum pulley diameter	Tensile properties	Power Transmission Application	Tensile strength	Skiver -	150N/mm	Conveyor Application	Elongation at break	Skiver 100mm	20%	Dynamic properties	Maximum allowable tension	Standard elongation	22.8N/mm	1.0%	Maximum allowable elongation	Tension after relaxation at 1.0%	3.0%	3.8N/mm	Coefficient of friction	Initial tension at 3.0%	Top vs. Steel	22.8N/mm	0.1~0.3	Tension after relaxation at 3.0%	vs. Paper	11.4N/mm	0.2~0.4	Operating temperature range	Bottom vs. Steel	-20~80°C	0.1~0.3	Operating temperature range*	vs. Paper	-20~80°C	0.2~0.4	*When under continuous use	vs. Lagged pulley		0.3~0.6		vs. POM (resin)		0.1~0.4	Regulatory compliance RoHS(2011/65/EC, (EU)2015/863)			Features Cushioning property Slider bed Roller bed		
Dimensions <table border="0" style="width: 100%;"> <tr><td>Width/Roll (max.)</td><td>120mm</td></tr> <tr><td>Width/Endless (max.)</td><td>120mm</td></tr> <tr><td>Length (max.)</td><td>30m</td></tr> <tr><td>Total thickness</td><td>Approx.10.mm</td></tr> <tr><td>Weight</td><td>2.8 kg/m²</td></tr> </table> <p>Please contact Nitta if you need other dimensions.</p>	Width/Roll (max.)	120mm	Width/Endless (max.)	120mm	Length (max.)	30m	Total thickness	Approx.10.mm	Weight	2.8 kg/m ²	Properties <table border="0" style="width: 100%;"> <tr> <td>Minimum pulley diameter</td> <td>Tensile properties</td> </tr> <tr> <td>Power Transmission Application</td> <td>Tensile strength</td> </tr> <tr> <td>Skiver -</td> <td>150N/mm</td> </tr> <tr> <td>Conveyor Application</td> <td>Elongation at break</td> </tr> <tr> <td>Skiver 100mm</td> <td>20%</td> </tr> <tr> <td>Dynamic properties</td> <td>Maximum allowable tension</td> </tr> <tr> <td>Standard elongation</td> <td>22.8N/mm</td> </tr> <tr> <td>1.0%</td> <td>Maximum allowable elongation</td> </tr> <tr> <td>Tension after relaxation at 1.0%</td> <td>3.0%</td> </tr> <tr> <td>3.8N/mm</td> <td>Coefficient of friction</td> </tr> <tr> <td>Initial tension at 3.0%</td> <td>Top vs. Steel</td> </tr> <tr> <td>22.8N/mm</td> <td>0.1~0.3</td> </tr> <tr> <td>Tension after relaxation at 3.0%</td> <td>vs. Paper</td> </tr> <tr> <td>11.4N/mm</td> <td>0.2~0.4</td> </tr> <tr> <td>Operating temperature range</td> <td>Bottom vs. Steel</td> </tr> <tr> <td>-20~80°C</td> <td>0.1~0.3</td> </tr> <tr> <td>Operating temperature range*</td> <td>vs. Paper</td> </tr> <tr> <td>-20~80°C</td> <td>0.2~0.4</td> </tr> <tr> <td>*When under continuous use</td> <td>vs. Lagged pulley</td> </tr> <tr> <td></td> <td>0.3~0.6</td> </tr> <tr> <td></td> <td>vs. POM (resin)</td> </tr> <tr> <td></td> <td>0.1~0.4</td> </tr> </table>	Minimum pulley diameter	Tensile properties	Power Transmission Application	Tensile strength	Skiver -	150N/mm	Conveyor Application	Elongation at break	Skiver 100mm	20%	Dynamic properties	Maximum allowable tension	Standard elongation	22.8N/mm	1.0%	Maximum allowable elongation	Tension after relaxation at 1.0%	3.0%	3.8N/mm	Coefficient of friction	Initial tension at 3.0%	Top vs. Steel	22.8N/mm	0.1~0.3	Tension after relaxation at 3.0%	vs. Paper	11.4N/mm	0.2~0.4	Operating temperature range	Bottom vs. Steel	-20~80°C	0.1~0.3	Operating temperature range*	vs. Paper	-20~80°C	0.2~0.4	*When under continuous use	vs. Lagged pulley		0.3~0.6		vs. POM (resin)		0.1~0.4									
Width/Roll (max.)	120mm																																																															
Width/Endless (max.)	120mm																																																															
Length (max.)	30m																																																															
Total thickness	Approx.10.mm																																																															
Weight	2.8 kg/m ²																																																															
Minimum pulley diameter	Tensile properties																																																															
Power Transmission Application	Tensile strength																																																															
Skiver -	150N/mm																																																															
Conveyor Application	Elongation at break																																																															
Skiver 100mm	20%																																																															
Dynamic properties	Maximum allowable tension																																																															
Standard elongation	22.8N/mm																																																															
1.0%	Maximum allowable elongation																																																															
Tension after relaxation at 1.0%	3.0%																																																															
3.8N/mm	Coefficient of friction																																																															
Initial tension at 3.0%	Top vs. Steel																																																															
22.8N/mm	0.1~0.3																																																															
Tension after relaxation at 3.0%	vs. Paper																																																															
11.4N/mm	0.2~0.4																																																															
Operating temperature range	Bottom vs. Steel																																																															
-20~80°C	0.1~0.3																																																															
Operating temperature range*	vs. Paper																																																															
-20~80°C	0.2~0.4																																																															
*When under continuous use	vs. Lagged pulley																																																															
	0.3~0.6																																																															
	vs. POM (resin)																																																															
	0.1~0.4																																																															
Regulatory compliance RoHS(2011/65/EC, (EU)2015/863)																																																																
Features Cushioning property Slider bed Roller bed																																																																