

PolySprint TM Conveyor Belt Technical Datasheet Belt type **DB-4E14** PS-012 ver.0 **Applications** Paper straw · Packaging machine Bookbinding machine · Light duty conveyor Postal machine **Construction** Top side Bottom side TPU TPU Taffeta pattern Taffeta pattern Blue Blue Tension member **Splice** Polyester Finger Fabric (10×30) Construction **Dimensions Properties** Width/Roll (max.) Minimum pulley diameter **Tensile properties** 340mm Flexing Tensile strength Width/Endless (max.) Finger 25mm 45N/mm 340mm Elongation at break Length (max.) Back flexing 13% 25_{mm} 100m Finger Maximum allowable tension Total thickness 9N/mm Maximum allowable elongation 1.4mm Weight 2.0% 1.6 Kg/m² ©Please contact Nitta if you need other dimensions. **Coefficient of friction Dynamic properties** Standard elongation vs. Steel Regulatory compliance RoHS(2011/65/EC) 1.0% $0.4 \sim 0.5$ **REACH regulation** Tension after relaxation at 1.0% * vs. Paper 4N/mm 0.5~0.6 Initial tension at 2.0% Bottom vs. Steel 9N/mm $0.4 \sim 0.5$ **Features** Tension after relaxation at 2.0% * vs. Paper 0.5~0.6 **Antistatic** 6N/mm Operating temperature range vs. Lagged pulley Roller bed -20~60°C 0.6~0.8 Easy splice with NITTA tool vs. POM (resin) 0.4~0.6 *After 200hrs running-in