

PolySprint TM Power Transmission and Conveyor Belt Technical Datasheet Belt type XH-8E55 PS-031 ver.0 **Applications** Folder gluer Woodworking machine Medium duty conveyor **Construction** Top side Bottom side **NBR NBR** Textured surface Textured surface Blue Blue Tension member **Splice** Polyester Finger Fabric (10×70) Construction **Dimensions Properties** Width/Roll (max.) Minimum pulley diameter **Tensile properties** 500mm Flexing Tensile strength Width/Endless (max.) Finger 80mm 150N/mm 500mm Elongation at break Length (max.) Back flexing 13% 45m Finger 80mm Maximum allowable tension Total thickness 18N/mm Maximum allowable elongation 5.5mm Weight 2.0% 6.5 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% $0.7 \sim 0.8$ **REACH regulation** Tension after relaxation at 1.0% * vs. Paper 8N/mm 0.8~0.9 Initial tension at 2.0% Bottom vs. Steel 18N/mm $0.7 \sim 0.8$ **Features** Tension after relaxation at 2.0% * vs. Paper 0.8~0.9 **Antistatic** 12N/mm Operating temperature range vs. Lagged pulley High lateral rigidity -20~60°C 0.9~1.0 Twist resistance Roller bed vs. POM (resin) Easy splice with NITTA tool 0.7~0.9 *After 200hrs running-in